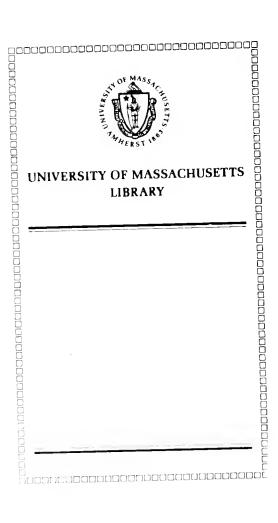
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HE AMERICAN FLORIST



America is "the Prow of the Messel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XIII.

CHICAGO AND NEW YORK, FEBRUARY 5, 1898.

No. 505.

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. GUDE, Washington, D. C; president; A. DONAGHUE, Omaha, Nob., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oll City, Pa., treasurer. 'The fourteenth annual meeting will be held at Omaha, Neb., August, 1838.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Chicago. February 17 and 18, 1898. ALBERT M. HERR, Lancaster Pa., Secretary.

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PATERSON, N. J.—Byron Halsted of New Brunswick will lecture before the Paterson Florists' Club on February 16, 1898



POT DAHLIA

Propagation of Dahlias.

Dahlias are propagated in several ways, by seed to secure new varieties, and by grafting, division of roots and cuttings, to reproduce and increase existing varie-

Raising new varieties from seed is per-haps the most interesting branch of dahlia culture. However, as it is so uncertain, and as the seedlings do not average up to the same standard as named varieties, thaffords greater pleasure than profit. The seeds if sown in the greenhouse in March, potted off and planted out in May, will bloom the same season. The seed can also be sown in a mild hotbed or manie

Grafting is another method of increas-

ing varieties that is more interesting than remunerative. It is an excellent method for the amateur, where a new or rare variety is a poor propagator. Take a small or medium sized vigorous tuber and a young shoot of the variety you wish to graft. Cut the base of the shoot to wedge form, but with one side of the wedge thicker than the other, and an eye on the thick side, then cut the tuber to corresponding shape, but a trifle smaller, so as to slip in and make a good joint, pot off and place in a warm shaded place. If care and skill are used every graft should We usually graft a few each year grow. as a euriosities for our friends.

Division of roots is the simplest way of increasing a variety. It is best to have the eyes started slightly although an experienced person can readily distinguish the perfectly dormant eyes. eyes are on thecrown to which the tubers are attached, and not on the tubers, hence in dividing, care must be taken that a portion of the crown containing at least one eye remains attached to each tuber or clump of tubers. This is the original method of propagation, and still used almost exclusively by amateurs and

many florists.

Propagation by cuttings is now mostly used by all who grow dahlias in any quantity. When this method is used too much stress cannot be laid upon the necessity of securing good healthy stock, free from disease, and true to name. This is at once apparent, for if the stock is weak or diseased the plants will lack strength, with a greater percentage of losses. That the stock must be true to name is of the greatest importance. Suppose you purchase ten roots of Nymphæa and one should be Oban. Oban propa-gates twice as fast as Nymphæa and out of 100 plants you would have a mixture of twenty Oban and eighty Nymphwa. If the variety was Frank Smith, and one Bird of Passage was mixed in, the result would be still more disastrous, as the latter makes five cuttings to one of the former. Having secured your stock it should be planted in rich soil in a greenhouse bench, with a night temperature of about 50 ; 45 is better than 55° if you are not in a hurry and want strong plants, but of course 60° night temperature can be used if you are in a hurry, although at the cost of vigor. Just barely cover the roots in planting. When the cuttings have made two to three pairs of leaves cut them off—some prefer sprouting—taking care that they are cut at the base of two eyes, and placed in sand in the cutting or propagating bench, with bottom heat of 55 to 60. They will root more quickly in greater heat, but will not be so strong. The length of time required in rooting

depends on condition and size of cutting and the variety, and varies from ten days to four weeks, although the attention given has a great deal to do with it. The sooner the cuttings are potted off after being rooted the better, in fact we are so careful that the cuttings are all in the proper condition when struck that we pot off in about two weeks, whether they are rooted or not. Unless they have received some check, they are by that time either just rooting or ready to break.

The lower the plants are grown the better they will be; 45° to 50° is warm enough at night, although, thanks to a rugged constitution, a vigorous strong growing variety will stand anything from 34 to 100. The size of the pots does not matter, but it is better to use 2-inch and then shift up for strong plants.

Dahlia plants can be planted as soon as danger of frost is over, and the roots about two weeks earlier; which, in the vicinity of Philadelphia and New York, is about the first of May for plants and is about the mass ... middle of April for roots. S. K. Peacock.

Good Market Primulas.

The illustration shows section of a house of primulas at the place of the well known Chicago florist, Mr. A. McAdams, Most of the plants are in Linch pots, and some of them measure twenty inches across, carrying from one to six clusters of flowers. There is considerable variation in the foliage, and some of the fernleaved varieties are strikingly handsome. The flowers also vary very much, some fifteen distinct shades being represented. The blooms are of good substance, and measure from two to two and one-half

inches in diameter.

The foreman, Mr. Joseph Reeves, has been at work on the strain for some time, selecting and improving the stock every year. He saves all the seed required for his own use from late sown plants, which bloom when the days are brighter, in March and April. These plants are grown on a north shelf quite close to the Seeds for the salable stock are sown during the first two weeks of June in flats containing leaf mold, and the seedlings are grown in this medium till they are finally shifted into tin or 5-in pots, when a stiff rose soil, with a good proportion of cow manure, is used, sifting the same to get rid of the very fine earth and removing all the coarse lumpy material.

The plants are shaded until September, and bloom from the holidays onward through January and the greater part of February. This treatment evidently suits them, and they appear to be of good size for commercial purposes.

Paris.

The first meeting of the National Horticultural Society was held vesterday, but having been devoted to the election of the officers it presented but little interest for the American reader. The attendance was small and only a few things were staged.

In the floricultural division the most noteworthy exhibit was some very large sized bracts of the crimson as also of a new yellowish white poinsettia shown by Mr. Pfatzer, the successful chrysanthe-mum and forced fruit grower, who exhibited a pinkish bracted poinsettia a few weeks ago. Mr. Pfatzer carried off a firstclass certificate for his exhibit.

Mr. Dugourd, the hellebore specialist, was awarded a second-class certificate for a collection of Christmas roses.

There were some fine plants of Cypripedium insigne Chantini, Cypripedium Niobe, Cypripedium Leeanum superbum (very fine), Odontoglossum Mirandum and Odontoglossum Andersonianum.

In the fruit section some splendid specimens of pears and apples were exhibited by Mr. Tassy.

In the vegetable division some good short roots of the Chinese yam were shown by Mr. Chappelier, who for ten years has been trying to obtain by sowing a much shorter yam which might be grown in shallower soils. The same party also exhibited a few roots of the Stachys Floridiana, which in appearance are not unlike a big white caterpillar, and of the well known Stachys suberifera.

A stroll through our largest flower market, the Quai aux fleurs, brings us in contact with the following pot plants:

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At the cut flower market of the Halles Centrales we find at present the following flowers:

HOWEIS.		
Acacia (Mimosa) per Kilog from \$	20 to \$ 40	1
Anemones per 100 bunches "	1 00 " 4 0	d
Margnerites per 100 bunches "	1 00 " 3 0	
Wallflowers common per 100 bunches.	1.00 " 2.0	Ó
" (selected from Paris). , .	12 11 2	Ġ
Lily of the Valley	15 " 3	
Carnation, Marguerite, per doz	04 " 1	4
fancy " "	04 " 1 04 " 1	1
Eucalyptus globulus, per bunch	50	:
Ennatorium o o	10 5	
Hyacinthus albulus " "	01 '' 0	S
Iris pumila corulea " "	05 1	ł
Narcissus per 100 bunches	1 00 " 3 0	ľ
Orange flowers per 100 bads	10 ** 4	ľ
Rosa Ulrich Brunner per doz	20 8	(
22 Madaine Falcot 22 22	05 " 2	Į
 Mille, Marie Van Houtte per doz. 	20 11 4	
" Marechal Niel " "	60 ** 2 0	
" Papa Gentier " "	20 '' 6	(
" Paul Nabonnand " "	15 '' 4	
Paul Nevron (from Paris) per doz	60 5 0	
" Safrano	01 0	
" extra fine " "	15 " 2	•
" Sonvenir de la Malmaison " "	35 " 8	
* La France 5 6	80 * 2 0	
Ranunculus per bunch	03 ** - 0	
Mignonette per 100 bunches	1 00 " 3 0	
Forced Lilac (from Paris) per bunch	40 ** 8	
Snowballs	-40 ⋯ €	
Violets large bunches	40 ** 2 €	H
" medium sized bunches	40 11 2 6	
" small bunches	60 9 1 (H
All those out flowers some	from th	

All these cut flowers come from the Riviera or Southern France with the extion of the Cheiranthus Cheiri, lily of the valley, forced lilae and roses Paul Neyron. Cut flowers, in consequence of the rainy weather prevailing in the South of France, are plentiful on our markets and very cheap.

Up to the present time we have had very dull, hazy weather with very little frost, a state of things much dishked by our growers, who usually have to pay for it in March or April in the shape of distressing frosts. FRENCHEE.

January 14, 1898.

Flower Show Preliminary Premium Lists.

THE CHICAGO POINT OF VIEW.

That premium list from which the largest percentage of premiums offered is won, is, as a rule, the best premium list. This is subject to some modifications and exceptions, but in general governs the compiling of the list of the Chicago Horti-cultural Society. The premiums are offered to be competed for and won, and any which fail to draw out a competition are considered mistakes. The percentage of premiums won to those offered has gradually risen from below 70 to above 90.

The conditions in every city are differ-





CATTLEYA TRIANÆ, LILIAN AMES CHATMAN.

ent, and a list which will be a success in one city will be a failure in another. A careful study of the conditions existing in the territory tributary to Chicago is made. Any changes which indicate a possibility of drawing out exhibits in new lines is promptly recognized by new premiums

As there are comparatively few extensive private establishments in or near Chicago, it is necessary to look to the commercial men, largely as exhibitors. Many of them are young men lately started in business, with limited capital and unable to go to the expense of preparing exhibits when the ultimate reward is principally glory. They want cash, and in consequence liberal premiums must be offered.

The work on this year's list began with last fall's show. A careful examination of the entries for the different premiums was made. Suggestions were invited from exhibitors and visitors. The officers and many of the members were constantly on the lookout for "weak spots" and new features. There are now in the hands of the secretary a large number of suggestions. Such as are feasible are embodied in the new list, others which are valuable but not practicable at the present time are carried over for next year. Such premiums as draw a large number of exhibits can safely be somewhat reduced in amount while others which do not draw sufficiently well, or in which the exhibits prove especially attractive are increased. Expenses are heavy and economy is

necessary notwithstanding the large membership and liberal donations from members to the premium fund. A rental charge of nearly \$1,000 for five days is a heavy one, especially as the halls heretofore used are so wretchedly inadequate that many other expenses are more than doubled in consequence.

It is not to be understood that the society at any time loses sight of the main object for which all such societies exist, that is, the encouragement of new productions and new methods. This is held steadily in view. It is not thought, however, that the keeping of dead premiums on the list does any good in this direction. The impossible of last year, however, becomes the possible of this year, and each year sees new features added to the list and drawing good competions, which if attempted a year or two sooner would have been failures.

Two classes of premiums are always offered, one class specifying artistic arrangement as the principal requirement, the other looking only to an exhibit of cultural skill. When best twelve blooms are specified they are judged solely as to the quality of the flower, stem and foliage. The question of artin staging or arranging is not considered, unless two exhibits are tied as to quality. When an arrangement for effect is specified, the quality of bloom is given less prominence and the skill in arranging practically decides the competition

Scales of points are adopted and published in the list and while the point sys-

tem is a perennial subject for discussion and has been from a time to which the memory of man runneth not back, the fact that it is continued here indicates that it has worked satisfactorily.

W. N. R.

Cattleya Tríanae, Lilian Ames Chatman.

This lovely form of Cattleya Triana was one of a lot imported direct from Colombia and purchased by Oakes Ames, North Easton, Mass., sixteen months ago. Mr. Ames' gardener, Carl Blomberg, exhibited it, a small plant bearing two blooms, before the Massachusetts Horticultural Society on January 15, 1898, and received a silver medal for it. The flower is pure white, except for a light purple rose blotch and orange yellow veining in the throat. As shown in the illustration, the petals are broad and erested, boldly recurving and the throat is very long and broad.

Carnations.

NOTES ON NEW VARIETIES.

Now is the time to see carnations at their best. The mid-winter crop of flowers were produced at the expense of the growth made out of doors; and taking into account the cheek consequent upon planting, and deficient sunlight, this crop is not as good as that made when the plants have thoroughly filled the new soil with roots and become in a condition to take nourishment. It is from this new growth that we get our

exhibition blooms. From all that I can learn the forthcoming exhibition in Chicago will bring together the finest lot of

flowers ever seen anywhere.

There is a vast difference between the old time varieties and the new ones, especially since disbudding has become universal. The standard set is high, but not too high. Ten years ago we did not have a variety which could produce flowers with a stem two feet long, and flowers measuring three inches across. We now have a score or more, in fact searcely any others are acceptable. Some one says, "There are too many seedlings," and that we cannot keep up with them, but we must. The florist who does not is left behind. Even if no advancement resulted, deterioration would follow so quickly, that new blood would become necessary to keep up the standard. Mr. Hill says rightly "Keep on raising seedlings." Once Grace Wilder was peerless, but in time this grand flower had to give place to William Scott, and now we have evidence that the days of the invincible Scott are numbereil. However, we borrow no trouble as mightier ones stand ready. Mrs. Fisher has had its day, even in the East, though it will be grown as a summer variety for some time, and for short stemmed flowers it has no equal in productiveness among its color. Lizzie Me-Gowan is secure where it succeeds. Flora-Hill is grand, but lacks a trifle in stiffness early in the season. We are pleased with Freedom, though aware of its lack of petalage. It is pure in color, healthy and productive. Its habit is stiff, wiry, scarcely needing support. Thave it crossed with William Scott, and have used its pollen upon Mrs. Bradt. I further intended the reverse cross, but have not succeeded in obtaining pollen.

The composition of the soil is a factor in the cultivation of carnations which is not sufficiently taken into account, though it has been the experience of all that the same conditions of soil, and even thermal conditions, do not do for all, and no variety known to be good under certain treatment should be condemned because it will not bend to ours. Rather we should endeavor to find what its special wants are, and meet them. I need not go through the list of varieties which succeed here and tail there, such instances are in the minds of all growers. But just one: Our success with Ferdinand Mangold has occasioned surprise, and some acquaintances who have condemned it will now try to grow it as we do, in a light soil, also kept on the dry side. These thoughts came to me when considering the chances of our obtaining a good *carlet-one which will stand in the position William Scott has among pink flowered varieties. We have Jubilee, but it is not everybody's carnation, though undoubtedly grand where it succeeds, with no fault but one. Then we have Portia, which we shall not discard yet awhile and Hector has many admirers.

Hereabouts we have two looking for tayor "Roo Ton" and "Wellesley". The former I have not had the pleasure of seeing in growth. As shown at the New England Florists. Cornation meeting it was decidedly superior as an exhibition variety. For what reason I do not know Tailby's 'Wellesley' did not look its best Ennicipate however, that the last named will make a splendid roord as it has every good quality to commend it. has an excellent constitution, juic in color and tree beyond comparison. It is the result of a double cross Porting Horence, and progeny v. E. G. Hill Hisher's "Morning Star" is a very

pretty white, and extremely floriferous, though not large in size. Mrs. Thos. Lawson, Peter Fisher's new salmon rose is the ideal of a careful and experienced hybridist. In spite of its free blooming qualities, it is safe to say "Nivea" will not stay with us long. Its ungainly habit alone condemns it. Those who practice summer culture indoors might give it a trial. C. A. Dana is a charming shade of delicate rose, but altogether too inconstant to become profitable. The same may be said of White Scott, while Edith Foster is spoken of highly. Mrs. Bradt gets nothing but praise. It is a hold and well-contrasted flower, not with faint pencilings, but bright lines. Scarlet sports of it have appeared in several places. If they could be held true, they would be valuable. Victor is fine, just a deeply tinted Daybreak. Thos. Cartledge though not new is becoming popular. Mr. Nicholson of Framingham, Mass., speaks very highly of Abundance, which has been condemned in some quarters for lack of stem. There can be no complaint on this score, as we saw it with him. Eldorado is unequaled so far among yellows, but subject to rust. Mr. Nicholson has Gold Nugget on trial, which promises to be fine. The flower and stem'is all that could be wished.

T. D. H. many claim that it does not pay to take so much trouble with the plants; but it will be found in most eases that these little things become vital points where it is desired to keep any plant up to the standard.

Why is it that with some growers we find the varieties, Daybreak and Wm. Scott in perfect health and scarcely a rogue among them, while with others the same stock contains quite a large percentage of unhealthy plants, producing inferior flowers, all the plants coming originally from the same source? There must be neglect somewhere, and it is not always in the soil. In the varieties Mayor Pingree and Flora Hill I have also noticed a number of the plants showing "the yellows," and every flower either malformed or of poor color. The two latter varieties have proven here to be remarkable improvements in their respective colors. Nearly all the yellow varieties sent out have been, at some time or other, under my earc, and I have seen none to approach Pingree as it is treated at this place. It will take a fine yellow to beat this variety when it is well done, and it is of the easiest culture and free from rust. The same may be said of Flora Hill which, though a little weak of stem, is far ahead of any white variety grown



WHERE THE DUTCH RAISE PLANTS.

Carnation Notes.

Too much care cannot be exercised in the selection of material for cuttings, especially with the variety Jubilee. number of the plants produce nothing but single flowers all through the season, while in others the blooms come strenky or of a poor color. It is so much labor lost and good room wasted to propagate from stock of this character. I have not come across any variety that has the appearance of deteriorating more quickly than Jubilee if not handled properly. It is therefore a good scheme to have a few labels handy with which to mark the rogues as soon as they show themselves, and then they may be readily distinguished from the good stock in taking the cuttings. These apparently trilling matters are sometimes passed over by the growers as of little importance, and in this section so far. My experience with Mayor Pingree is that it requires a tolerably stift but porous soil, delights in ample watering, and requires a night temperature of about 55°.

Sharp watch should now be kept on the green fly, which multiplies rapidly if not repeatedly checked. This insect is not repeatedly checked. This insect is very hard to dislodge when it once gets down into the young growth.

Dutch Nurseries.

Two weeks ago we published an abstract of a lecture on Holland," delivered bef "Horticulture in delivered before the Massachusetts Horticultural Society by Mr. K. M. L. Farquhar, of Boston. Through this gentleman's kindness we are enabled to reproduce in this issue some pictures of unrecries in that country. The Dutch nurseries have long been famous, and those of our readers who handle imported stock will doubtless be interested in the source of a large proportion of it.

More About the Blue Marguerite.

This ever-cheerful little plant, Agathæa cælestis, the subject of a sketch in a recent number of the AMERICAN FLORIST seems to have fallen into undeserved obscurity of late years. It has never been so well known among florists as its merits would warrant, but it was highly prized among private gardeners some few years back.

It presents many claims for popularity with the discriminating floral fraternity, among which are its charming color, its long and wiry stems, and pre-eminently its free and continuous flowering habit, blooming as it does, the whole year round. The ideal temperature for winter flowering is from 55° to 58°. The material used for potting should be on the light rather than the heavy and retentive side to accomplish which there is nothing better than a liberal use of leaf mold. Cuttings put in the sand bed in the latter part of February or early March and carefully attended to, ought to be large enough by late fall to occupy at their final potting a 6 or 7-inch pot, in which sizes they look best for decorative or gift plant purposes.

It may be interesting to state that in the south of France the blue daisy grows outdoors all the year round and attains a height of four feet and an equal width; the native florists shear it over even in early spring in the same manner as the Hollanders do with azaleas.

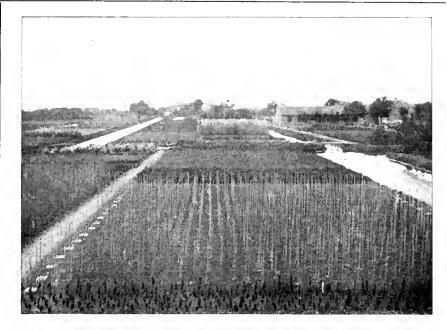
K. F.

Boston.

BOSTON HAS A BLIZZARD.—TRADE CONDITIONS IMPROVING.—DEMAND FOR AMERICAN REAUTY CANNOT BE ACCOMMODATED.
—FINE PRIMULA OBCONICA PLANTS.—MR.
DOOGUE'S LATEST TROUBLE.—A GOOD SCARLET CARNATION.—LOCAL NOTES.

Boston's sensation, at present, is a blizzard; a fairly vigorous one, too, according to our thinking. We have heard considerable about these functions elsewhere and have sometimes felt a little jealous of those localities where blizzards are made while you wait, but now we have one of our own and it occupies our attention to the exclusion of everything else, flower business included. As these notes are being penned the railroads are buried deep in snow and whether they will ever reach Chicago is very doubtful. Trolley, telegraph and telephone wires are down and the flowers, if there are any on the bushes, will stay there for today, at least, as there is no way to get them to market, but this is no great privation since the flower buyers are in the same predicament and cannot get to market either, and flowers without buyers are as impotent as buyers without flowers

All this comes at an inopportune time, for a most agreeable activity has been developed during the past few days, a sort of reminiscence of the good old times when the buyer was the suppliant and the grower or wholesaler could afford to stand his ground, and under average conditions the good thing might reasonably be expected to continue until Lent should come in. It is noticeable, however, that the demand, while red-hot on certain specialties, is rather weak outside of those lines, so although the telegraph boys have resumed their long-neglected route among the wholesale establishments and the retailers have adopted for the time



THE CANALS OF A DUTCH NURSERY.

being a bearing of humility that is very becoming to them, yet a box of nice violets or lily of the valley is surveyed with exasperating indifference. It is not lily of the valley or violets they are seeking. American Beauty—that's what they want; American Beauty—that's what they cannot get, particularly the long-stemmed top grades. The poorer grades are accepted of necessity, but with very wry faces and very pertinent allusions to the ossified condition of the wholesalers' conscience. In passing, it is proper to note the bright color and general high quality of the Bridesmaids now coming to this market. This is a rose that seems to grow better every year; no retrogression about the Bridesmaid.

A dozen pots of Primula obconica from John Barr, gardener to Mrs. B. P. Cheney, were the objects of much admiration at Horticultural Hall last Saturday. The individual blooms were of unusual size and fullness and the range of tints was remarkable. There are few prettier table plants than Primula obconica when well grown and it is to be regretted that an unreasonable prejudice as to its poisonous properties should have made it an outcast.

There has been a renewal of the controversy, which comes up annually in some form, as to the ability and fitness for his position of Superintendent Doogne of the Public Garden. The present cause is the action of Mayor Quincy in nominating C. E. Stratton of the Boston Park commission to serve as superintendent without pay. This is equivalent to giving the Park commission full control of all public squares, but is not regarded as meaning that Mr. Doogue is to be dispensed with or his salary reduced. Confirmation of the mayor's action by the aldermen is necessary and is not regarded as probable.

One of the most prominent of recent carnation introductions is Wellesley raised by J. Tailby & Son. It is just the color that all have been wishing for, a brilliant scarlet, vigorous and handsome and has had a thorough four years' test.

The firm of Magee & Tiernan, Chelsea, has been dissolved by mutual consent, and the business will be continued by J. E. Tiernan at the old stand.

E. Tiernan at the old stand.
Frank M. Bartram of Parry, N. J.,

delivered an interesting lecture on "Nuts, and nut culture," before the Massachusetts Horticultural Society on January 29.

A meeting of the Gardeners' and Florists' Club was to have been held on Tuesday evening, February 1, but the blizzard interposed an effectual veto.

John Devine, John Dunbar and W. A. Bock each had one house crushed in by weight of snow. The whole establishment of M. J. Aylward was ruined, and it will take seventy-five boxes of glass to repair the damage at Waban conservatories.

A few members of the "Old Guard" spent a pleasant evening at Mr. Edgar's on February 2.

Reports are coming in of many greenhouses more or less damaged by heavy weight of snow.

Visiting Boston: J. H. Dunlop, Toronto, Ont.

New York.

MORE SATISFACTORY MARKET CONDITIONS.
—COLORED ROSES, FANCY CARNATIONS,
ETC., IN BRISK DEMAND.—WHITE FLOWERS LESS DESIRABLE PROPERTY.—STORMY
WEATHER SHORTENS RECEIPTS.—A SMALL
DELEGATION FOR THE CARNATION MEETING.

Present market conditions offer the rare opportunity to write a favorable Seldom does it happen that the report. Seldom does it happen that the demand is so assertive and the good stock finds so ready and willing a market with no surplus left to cut down the dealers returns or embarrass the prospects of the next day's receipts. It cannot be said truthfully, however, that this fairly satisfactory condition is the result of a largely increased consumption of flowers; rather is it due to the heavy storms and howling weather that we have been treated to recently, which has reduced the production and which cannot be depended on for any permanency. It is also a fact that business is particularly good only in spots; while the bustle is encouraging, and the aggregate value of sales is most gratifying yet the proceeds will go mainly to the growers of American Beauty, Meteor and Bridesmaid roses, and that part of the sales book devoted to the Brides and white flowers in general presents a strong resemblance to the pages of the past

month. Excepting in the case of the limited quantity of extra fancy lily of the valley coming in this flower continues to drag badly. Violets are infull supply and only superb blooms can be expected to touch the dollar mark. Carnations, fancy grades go lively; inferior grades move slowly. Tulips steady. Heavy receipts of vellow narcissuses in the various market sorts have been coming in and prices are off, especially on large lots when the dealer is fortunate enough to find an opening for such. Smilax shortening up in quantity and prices better. Asparagus not up to the mark in quality.

The representation from this vicinity going to the carnation meeting in Chicago is not likely to be large; very few can be found who express an intention to go, but many there are who say they "wish they could."

Club dinner tickets for February 26 are

selling well.

Johnnie Weir has been celebrating the twenty-fifth anniversary of his wedding this week. Johnnie never does things by halves, especially where his better half is interested, and the host of friends who attended the function are recovering

Philadelphia.

STOCK SHORT. - MEETING OF THE FLORISTS' CLUB.-PAPER ON POT PLANTS FOR THE HOLIDAYS. --- ANOTHER CHEAP PARM SALE.

We notice that accounts of the weather in last week's columns from the various horticultural centers all agree; twas bad everywhere, and as misery loves company we are in a measure satisfied. The thermometer registered six above zero this (Wednesday) morning, but as the day was bright and clear the effect on stock will be good.

Flowers, particulary roses, are still scarce, and prices remain about the same as last week. There seem to be no hybrids to help out, as was the case in former seasons. Hybrid forcing has of late years been such risky business that most growers have given it up entirely or

grow but few.

Bulbous stock is now quite plentiful. Double dattodils are to be had in quantity at \$5 per hundred. Harris is sending some nice Golden Spur, which sell well at Tulips are quite equal to the demand at \$1 The carnation crop has shortened up a bit, and there is a good demand for all that comes in at \$1.50 to \$2.50 for the best, a few extras bringing \$3.

Victor is showing up in grand style, and will be planted largely next season. Grace Wilder was queen of the pinks for a long time, conquering many "just as good or better," Linds that tried to de-throne her, hually Wm. Scott succeeded to the kingdom, and has reigned triumphant ever since. It looks now, however, as if the victor had come. We are sorry tor William, but every dog has his day, and his memory will ever remain the levely pank that he was.

Violets seem quite abundant and the price has weakened a bit, \$1 is now high, and the quality must be good (that is for

our standard here to command it.

Rod Ersenhart of double violet tame. says, in speaking of the Klondike (growers let their name's run in that direction occasionally) that he would rather stay home and gross violets than go up there. and dig for gold. We have thought as much for a long time. There are others besides. Mr. Lisenhart, who have little Klondikes of their own, and don't want anything better. Among the beauty. growers it is said the dirt pays out very rich, as neigh as \$100 to \$200 being

realized from the first early morning gleanings

The February meeting of the Florists' Club was not very well attended. There was quite a nice show of carnations, some promising seedlings being among them. C. M. Fick has a fine large white, some of the flowers being three and one-half inches in diameter; it has a fine long heavy stem and appears to be a good thing. Another beautifully fringed white is very pleasing. A full fringed Daybreak pink named Laura E. Doty promises well.

John Kulins, of Fifth and Tabor streets, had a few seedlings, the best being a fine flower a few shades darker than Day-

break; this looked well.

Mand Adams, a fine large, long stiff stemmed flower of a pleasing salmon scarlet, as it appeared at night, attracted much attention; it is apparently a comer.

A vase of Evelina by R. Witterstactter, of Cincinnati, was in good form, having earried the long distance well.

F. Doerner & Sons Co. sent a vase of White Cloud, which is a fine flower and

received considerable attention.

The next meeting of the club has for its central issue, "The Lily, Its Disease and What are We Going to Do About It?" Mr. Harris is to open the subject, which by all concerned, from seedsmen who supply the bulbs to growers and retail men, is considered of vital importance. Mr. Harris stated that he had thrown out about half the bulbs started and expected to have to throw out about half of those he had left. The disease develops as the bulbs grow, and is much more prevalent this year than ever before. Lilies may sell for more than 10 cents a flower the coming Easter.

The ladies' reception of the club is blossoming out into a grand affair, and promises to be the swell event of the

season among the eraft.

John Westcott's paper, the event of the meeting, was read by Mr. Rust; it was on pot plants for the Christmas holidays, and contained a very complete list. It was directed to be published, and he received the thanks of the elub.

Another cheap palm sale is soon to take place at Wanamaker's. A nice areca in a 6-inch pot, or rather three plants to a pot, fifteen leaves three feet high, eighteen months old, has been offered there for 40 cents. We believe they are to offer a jardiniere and plant together for \$1. If this pays the grower there must be money in palms at twice this figure, the regular wholesale price

Death of Mrs. Josephine Krick.

Mrs. Josephine Krick, widow of George Krick, died January 30, of pneumonia, after a short illness. Mrs. Krick was an old settler in Chicago, having come here with her husband over thirty five years ago. Mr. Krick was engaged in landscape gardening for a number of years; he executed several large contracts, one of which was furnishing trees for Lincoln Park. Soon after the war Mr. Krick built greenhouses on Division street, and started in the florist business. After building the greenhouses his time became so taken up with other business that he could not attend to them. He gave them, together with the florist business to his wife, who managed it for over twenty years with remarkable skill and shrewd-

In October, 1871, she had the green houses on Division Street, and also on some land which she had bought on Dearborn avenue. The great fire of that year swept everything away. The greenhouses on Dearborn avenue were rebuilt before winter set in. In the spring of 1873 Mrs. Krick had a small conservatory about 10x14 feet built near the corner of Randolph and State streets, where Central Music Hall now stands and started to build up a retail trade in the central part of the city. Mrs. Krick conducted this business for over eighteen years, devoting her whole time to it. This business has been on practically the same spot for over twenty-five years. While the music hall was being built, temporary quarters were secured in one of the stores



THE LATE, MRS JOSEPHINE KRICK.

a few doors south; as soon as the building was completed it was moved back to the place where it was first started.

About six years ago Andrew Miller secured an interest in the business and assumed the management, the name being changed to the Central Floral Co. Three years ago Mrs. Krick disposed of her remaining interest in the business.

An amendment to the law was passed at the session of the local legislature just closed, empowering park officials to trim or remove trees on the streets of the city, with or without the consent of persons opposite whose property said trees may be standing. As most of the trees on the streets of this city have been planted by the property owners, and have been earefully watched and tended in some cases for many years, it is to be feared that some friction will result when the woodman with his axe begins removing what he may consider objectionable trees. It is a question with two sides.

Mn wy kee.—The announcement in the last issue of the American Florist, of the coming marriage of Mary A. Me-Kenney to F. B. Davis, of Milwankee, was without due anthority. There was also a misrepresentation of business facts in stating that Mr. Davis was employed as cashier by Miss McKenney. Miss Me-Kenney has for more than a year been associated with Mr. Davis as a partner in the business which has been conducted under the firm name of M. A. McKenney & Co. C. B. WHITNALL.

The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Ag \$1.00 per inch. Cash with Order No Special Position Guaranteed. Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Weitnesday to secure insertion in the issue for the following Saturday. Address THE AMERICAN FLORIST CO., Chicago.

Potash in the Soil.

An article in the last issue of the AMERI-CAN FLORIST suggests the use of muriate of potash in place of wood ashes on account of its cheapness, considering the amount of potash it contains. Muriate of potash is nearly one-half potash, while wood ashes ordinarily contain considera-

bly less than 10%.

The florist should be cautious in the use of this chemical in place of wood ashes. Even for farm crops the muriatic acid which it contains, when set free by decomposition, has in some cases, been found injurious. The element of cheapness, within reasonable limits, is of very little importance to the florist, when compared with safety and availability. Wood ashes are a safe furtilizer and are no experiment, while we believe the other has not been so carefully tested on roses, carnations, etc., under glass as to render it safe for general use,

Wood ashes contain a large proportion of lime in a very available form, and a small percentage of phosphorus also. Phosphorus is necessary for all crops, and lime is of especial value in many soils.

In using wood ashes it should be borne in mind that any substance containing lime in an active form will, if mixed with ground bone, set the ammonia in the latter free, to escape as a gas and be lost. Nitrogen is an element of ammonia and the most costly of the essential ingredients of fertilizers.

A prominent firm has recently advised a mixture of wood ashes and bone meal as a top dressing for lawns. What a sad waste of a large part of the most valua-

ble element in the bone!

A LATE REPORT of the Department of Agriculture places the amount paid out in salaries by this department at \$1,867,-980 per annum. Recent agitation shows what the seedsmen get in benefits from this vast sum. Nursery interests receive some attention, but where do the florists come in? A careful perusal of the last annual report of the secretary fails to answer the question. If there is one office boy out of this array of employes whose time is devoted exclusively to floricul-tural matters, the fact is not made prominent. Perhaps the War Department has charge of this branch. The Washington florists may be able to tell us.

Government Inspection of Nursery Stock.

A bill has lately been introduced into the United States Senate providing for the inspection of nursery stock. Section three, of the bill reads as follows:

That all trees, plants, shrubs, vines and buds, commonly known as nursery stock, grown within the United States, may become subjects of interstate commerce under the rules and regulations as hereinafter provided. The Secretary of Agriculture shall cause to be inspected by a qualified entomologist all trees, plants, shrubs, vines and buds, known as nursery stock, which are subjects of interstate commerce, and which are about to be

transported from one State or Territory or the District of Columbia into another State or Territory or the District of Columbia. This examination shall be made prior to September first of each year, in the manner provided for and prescribed by the Secretary of Agriculture; and if such nursery stock is found to be apparently free from dangerously injurious insects or diseases, the certificate of the officer making such examination and finding shall be issued to the owner or owners of such nursery stock, a copy of which certificate shall be attached to and accompany each carload, box, bale or package, and when so attached and accompanying shall operate to release all such nursery stock from further inspection, quarantine, or restriction in interstate commerce.

The bill further prohibits the interstate transportation (by mail or otherwise) of

any uninspected stock.

The question of certificates and legislative action looking to the compulsory inspection of such stock has been very carefully considered by Mr. John B. Smith in a recent bulletin of the New Jersey Experiment Station. Mr. Smith

Jersey Experiment Station. Mr. Smith says:

**** certificates are liable to be misused, and that no examination of a nursery can be sufficiently thorough to make it safe to say that any particular scale or plant disease is not present.

In one case at least infested stock has been sent to Ohio from New Jersey, bearing my certificate. The stock was such as was not grown in the nursery from which it was sent, and I have reason to believe that my certificate was put on everything sent out from that nursery, no matter where grown or whether seen by me of not.

Let us look at the matter a little closer, and see what giving a certificate of actual freedom involves. In one nursery in New Jersey there are to-day something like 2,500,000 peach trees, of which 750,000 are ready for sale this year. Several other nurseries have from 250,000 to 500,000 trees ready for sale. Plant a conscientions entomologist is a block of 500,000 trees, and require him to certify that no San Jose scale is present. Assume that he will have examined 600 trees in one day, and will require over 800 working days before heem say that no San Jose scale is present. Compel him to certify also to yellows, rosette and other dangerous insects and plant diseases, and the absurdity becomes the greater.

I have little sympathy with the effort to control insects by law because experience has shown that unless legislation has public opinion behind it little benefit will be derived.

Mr. Smith's bulletin is a complete demonstration of the absurdity, almost

Mr. Smith's bulletin is a complete demonstration of the absurdity, almost criminal, of this bill. It would seem that about the only results would be the spending of a large number of Uncle Sam's dollars in order to hamper and harass the trade, without the slightest possible chance of checking the spread of fungus or parasitic diseases.

The bill as presented is so loosely drawn as to be of no value in any event. It does not provide for the inspection of a whole nursery, but only of such stock in the nursery as is "about to be transported, etc.," and that, prior to September first of each year. In a nutshell it provides for inspection which does not inspect. Perhaps, however, we have mistaken the true intent of the bill and that it is only designed to nullify some of the noxious state regulations lately passed. If that is the case, it is a poor way of attaining a good object.

Canadian Horticultural Association.

A meeting is called for February 10, at 9:30 a. m. in St. George's Hall, Elm street, Toronto, Ont., for the following objects: 1. The completion of the organization of an association of Canadian florists, horticulturists and gardeners. The adoption of the proposed constitution and by-laws. 3. The election of officers and the executive committee for the year 1898. 4. The incorporation of said association. The officers pro tem are Wm. Gammage, London, president: J. H. Dunlop, Toronto, treasurer; and Hugh C. McLean, St. Thomas, secretary. A large attendance is earnestly requested.

Carnation Society Convention.

Mr. P. J. Hauswirth, 318 Wabash avenue, chairman of the committee of arrangements for the American Carnation Society Convention, will have rooms at the hotel reserved for those requesting it. He asks that correspondents be particular to say whether American or European plan is desired, and if the latter what priced rooms.

The reduced rates on American plan are \$3 per day (with meals) on the European plan (no meals) the rates are from \$1.50 per day upwards. It is desired that as many as possible stop at the Auditorium. The hotel is one of the finest in the land; very low rates have been granted; the halls for meetings and exhibitions have been given free, all of which favors should

be considered.

Japanese Lily Bulbs.

Ed. Am. Florist:-We read a notice in your last number under the heading, "Disease of Japanese Lily Bulbs," and would like to say a word or two about this subject, because we believe we know a little more about it than anybody else.

Our Mr. Bunzo Suzuki bought a lot of Harrisii bulbs three years ago to have them tried in Japan. Being well aware that part of the Bermuda bulbs are affected by disease, strict orders were given to our Yokohama house to destroy every plant that should show the slightest sign of disease, but to our great surprise every plant looked as healthy as our own Japanese longiflorum stock. This year we exported the first thousand hulbs to the United States, and they are forced by two expert growers who report that the plants are looking very fine and healthy, decidedly just as well as the best Bermuda. There is no fear that the Bermuda disease might be disseminated in Japan, and no sign of such a disease was ever seen in Japan.

As this question was brought up in your paper we would be much obliged would you kindly rectify the above mentioned notice. Suzuki & Iida.

Crotons and Acalyphas. BEST BEDDING VARIETIES.

"Croton Crank" wishes us to name the five best crotons, and the five best acalyphas for bedding.

1 know of no better crotons for bedding than Baron James Rothschild, Queen Victoria, Andreanum, Day Spring, Weismanii.

Acalyphas: Macafeeana, Marginata, Mosaica, Obovata, Triumphant, the latter is probably the best of the lot, especially in the matter of rich coloring.

ROBT, CRAIG.

GALT, ONT .- The annual meeting of the Galt Horticultural Society was held recently. The officers report excellent conditions. There are 116 members. following officers were elected: President, H. Spencer Howard; first vice-president, John Wells; second vice-president, Jesse Welland; secretary, Mr. Colvin; treasurer, R. Baird.

Elmira, N. Y.—A call has been sent out for a meeting looking to the organization of a horticultural society. Prospects seem good for a flower show this fall.

Springfield, Mass.-W. F. Gale has been appointed city forester by Mayor Dickinson

Rochester, N. Y.

The attendance at the annual convention of the Western New York Horticul-tural Society on January 26 and 27 was considerably larger than at any time durits forty-three years of existence. The hall was crowded to its utmost capacity with interested listeners from all parts of the state, when President W. C. Barry opened the morning session on the first day, calling the meeting to order in a brief manner. His regular annual address was entirely omitted this year, because there was too much business on hand. All the speakers were prominent and experienced men in horticultural affairs, among them being Director I. P. Roberts, Entomologist M. V. Slingerland, Prof. Duggar, plant pathologist, and Mr. Surface, all from Cornell University. Ithaca, tace, all from Cornell University, Ithaca, N. Y. The Geneva experiment station was represented by Director W. H. Jordan, entomologist V. H. Lowe, chemist L. L. Van Slyke; the horticulturalists S. A. Beach, W. Paddock and C. P. Close and Mr. W. P. Barnes, head man of their greenhouse department. Prof. W. B. Alwood of the Virginia experiment station, read the first paper, "Results of two years experiments with San Jose scale." "Facts about the enemies of fruit trees," was the next treatise read by Prof. Slingerland, who also gave us a unique lecture on "Bugs, from a bug standpoint" in the evening. "Our public schools and horticulture" was the theme of George T. Powell from Glient, N. V. "The Pan-American exposition on Cayuga Island in 1809," by R. C. Hill. "The removal of various institutions to the country and preparing the inmates for rural occupations, rather than to keep them in the cities," was advocated was advocated by Mr. Van Deman in a lengthy speech. The second day's session was opened with a talk on "Plant food" by Dr. L. L. Van Slyke; Mr. W. T. Mann of Barkers, N. Y., followed on "Experiments with various fertilizers;" Director W. H. Jordan spoke on food values of fruits and Director I. P. Roberts closed the forenoon session with "Questioning the soil." Informal discussions were now indulged in while the fruit exhibits were examined in the adjoining room, where the tables were loaded with most attractive specimen fruits ingreat variety. Most of these came from the Geneva experiment station and the Ellwanger & Barry nurseries. A very large collection of apples, 185 varieties, were exhibited by the Geneva people, and Messrs. Ellwanger & Barry made a most creditable display with finest winter pears, apples and a large collection of grapes in excellent state of preservation. Mrs P. Barry also showed six varieties or hothouse grapes, grown in her private vmery. The bunches were extra large and well formed and not a damaged or decayed berry could be found in them. The afternoon session was made interesting by talls on "Plant diseases" by W. Paddock the report on "Vegetables" by Mr. 1. Franke, Frondequoit, N. Y., and a carefully prepared paper, read by Mr. John Daubar of our parts, on "Ornamental trees and shrubs," which was listened to with greatest attentiveness and highly approvated by all nurserymen in the audience. Mr. Van Deman, of Virginia, gave us hints on 'How to treat an old orchard", Mr. Paddock startled the hearers by stating that some more new plant. diseases had been discovered in the past year and that not much is known about them as set, nor has any remedy been found for the prevention of ravages enused. by these new pests. The contents of the question box were now discussed, one

slip after another came out and it was late when the huge congregation dispersed for another year, all being well pleased with what knowledge they had gained by attending the meeting of the J. B. K. old society.

Greenville, O.—James Frost lost nearly 800 square feet of glass on Janu-ary 25 by hail. Insured in the Florists' Hail Association.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1838 will receive on request, a coopon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED-By a first-classrose grower: 15 years' experience. Good references. Address D W, care American Florist.

SITUATION WANTED-By a competent store man, Slate with Freidman; reference given by Chicago wholesale florists. R.A., care Am. Florist.

SITUATION WANTED—By an A No. 1 manager of wholesale or retail store; twelve years' experience in prominent cities. Correspondence solicited G, care American Florist.

SITUATION WANTED—By experienced gardener and florist (Scotch) to take full charge of private place; best of references married, age 3: W S, care American Florist.

SITUATION WANTED—By A·1 general cuttlower grower; good decorntor. Recommendations furnished; German Americaa; 30 years old. Address V(G), care American Florist.

SITUATION WANTED - By nn experienced gardener and florist, to take charge of private or commercial place; age 38, married. Best of references. CHICAGO care American Florist.

SITI'ATION WANTED-By first-class rose, carna-tion and violet grower, married, no children; reference given. Address TRE MUNCIE FLORAL CO., Muncie, Ind.

O'ITUATION WANTED—By young man to learn the florist trade; sober and reliable; state terms. Address W. C. GREGORY. Box 22, Markham P. O., Ontarlo, Caoada.

SITUATION WANTED — a competent seedsman wants situation with a reliable seed house; can speak Dutch, German or English; correspondence solicited.

II. care American Florist.

SITUATION WANTED -As foremen in large cut flower establishment by an Al rose grower, 24 years' experience; 12 years as foremen in large places. Best references. Address GROWER, care American Florist.

STITIATION WANTED By practical fierlst of 17 years experience, good cut flower grower, roses, carnations, etc. Competent to take charge; would work on shares. Reference and bond given. Address Reliable, care American Florist.

STUATION WANTED By single man, see 25, as accord man or to take charge of small place; good grower of cut flowers and bedding plants, steady and reliable; disengaged March Ist. Address R. L. care American Florist, Chicago.

DITUATION WANTED—As foremin by practical florist and grower; specialty No. 1 roses, carnations, minus, violets, general stock, etc. Now disengaged, age 38. Best references. Address W.H., care 164 E. Main St., Alliance, Oldo.

OPPLATION WANTED By florist and gardener, Derivate or commercial; good grower of roses, carnations, violets, mums and general stock; also all kitchen garden grapuries, etc. Address GAN, care American Florist.

CITUATION WANTED As foremen with some refined party by a practical grower of roses, carmations violets, minus, palms, terms and general stock, foreign of bulbs, a life abgerlence; references of K. Address FOREMAN, care American Florist.

OTTLATION WANTED—As first-class florist, young of German: understands thoroughly krowing of cut flowers, all kinds of general stock, good hand at carpet bedding formeral dedgins, 12 years experience, and can furnish host of reference; would like to make a change this spring, good place and wages expected.

J. B., care American Florist.

STITUATION WANTED As foreman in cut flower establishment, mostly roses and carnations: must be up to date in conveniences, by all round man, sin gie Aberlean nins years' experience; don't use to larce of drink, west preferred, good wages nepeted. Referencess 240 Cottage Grove Ave., Des Moines Ia,

OTITATION WANTED. As foreman or manager in a large commercial place by a Brate-has grower of roses carinations mains and general stock. His caperience, matricel, age 3c, has been foreman in large establishments for the past ten years, only reliable parties who wish a first-class man meed answer, best of refers nees. Address.

HOSE GROWER, care American Florist

WANTED—Catalogues of rose growers. Address
DAVID MCGEORGE, Galt, Ont., Canada

WANTED-Catalogues of the trade.
EDWARD MULICK, Grand Rapids, Mich.

WANTED-The address of Carl Jorgensen, Dane, Amsger. Address L. Jensen, South Butte, Mont.

 $\begin{array}{c} W^{\rm ANTED-Al\ grower\ of\ cut\ tlowers\ and\ general} \\ {\rm stock.\ In\ writing\ please\ state\ experience,\ wages} \\ {\rm expected\ and\ references:\ no\ drinklog\ men\ need\ apply.} \\ Y^{\rm ORK},\ \ {\rm care\ American\ Florist.} \end{array}$

WANTED-A competent man for cot flower de-partment and making up floral designs and bou quet work; also one that understands decorating and general greenhouse work. Apply CHARLESTON GREENHOUSES, 309 Meetlog St., Charleston, S. C.

WANTED-Foreman on commercial place, Callfornia; must be experienced in handling men; with unquestionable knowledge of propagating and growing, both inside and out: competent to take charge. Good habits and best of references. Address CARNATION, care American Florist,

WANTED-Young man thoroughly experienced in the best class of retail florist business; most be first-class in window, table and wedding decoration, nlso design work—Apply with references, ability, etc., stating wages expected. J. H. DUNLOP, 445 Yonge St., Toronto, Can.

FOR SALE—One Alaska refrigerator in first-class condition.

JOHN H. ORTH & CO., McKeesport, Pa.

POR SALE—Retail florist store, stock and fixtures—established trade, good location—on account of health, at a sacrifice.

OBN, 642 Marshall St., Philadelphia.

FOR RENT-Seven greenhouses, stocked: dwelling and land, steam best; convenient for Baltimore wholesale market, and fair local trade. Address MARYLANO, care American Florist.

FOR SALE-Greenhouse plant of 5,000 feet of glass in Jamestown, N. D; price \$1,500; ½ cash, belance may be paid in cut flowers. Address W. W. SEEKINS, 221 E 3rd St., Deluth, Minn.

FOR RENT-Greenhouse. 6.000 feet of glass on Main street; street cars pass the door; store and dweling house connected with same place. 835 per month.
P. N. SOETGA, 1822 Cedar Ave., Cleveland, O.

P. N. SOETGA, 102 Cedar Arts. Control of the Post of glass in a rapidly growing western city of 40,000 people; hundreds of towns and villages with no greenhouses in surrounding country; greenhouses are well built, well stocked and have the largest trade here, which can be greatly extended; owner has other business that requires all his attention. Nowhere in America is there as better chance for a floriest with a little money than here. For full particulars address. "BUSINESS," care American Florist.

FOR SALE

or rent with privilege of buying—established green-house property coosisting of four houses shout 100x25 feet each; boiler house and pack rooms; 12-room mod-ern dwelling, two acres isnat; 10 miles from Philadel-phia, near R. R. station, stemm heat; splendid chance founds the state.

PIPE WANTED.

Second-hand Hitchings' or Wenthered's cast 4-inch pipe, 2,000 feet (or any part thereof). Give CASH price f. u, b.

J C. Statlon A, 79 Pine St., New Haven, Conn.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars ELLIS & POLLWORTH, write Milwaukee, Wis.

Valuable Greenhouses FOR SALE

A Rare Opportunity-Seven Greenhouses in St. Louis County with or without stock, for sale cheap. Owner has other interests requiring all his attention. A bargain. For further particulars address

E. H. MICHEL.

Cure of St. Louis Cut Flower Co. .

1620 Olive St., - ST. LOUIS, 110.

Sterilizing Soil for Destroying Eel Worms.

Western Reserve asks how I construct my apparatus for this. In the first place the size of the boiler must be governed by the size of the compost heap, but it will be economy to have a boiler of ample size, as it is absolutely necessary to maintain 45 to 50 pounds pressure for 1½ to 2 hours at a time. Presuming that W. R. has 150 to 200 loads of compost to steam, I should advise him to have a boiler of at least 25 horse power with a liberal sized smoke-stack to cause a good draft. Set this low enough in the ground (covered in) to ensure all the condensed water returning freely to the boiler. This being done then proceed to build the bins to hold the soil; these should be about 12 note the soft, these should be about 12 inches deep and 3 to $3\frac{1}{2}$ feet wide and 12 to 16 feet long. The sides can be of heavy planks full width without a joint. Set posts solidly in the ground at about $3\frac{1}{2}$ to 4 feet apart in a straight line facing toward the inside; to these posts securely nail the heavy planks, keeping the tops level. The center row of posts should be faced evenly on both sides. This allows the planks to be nailed on both sides of

Two bins are necessary. When the bins are all completed (these should be under a shed with plenty of head room above for sned with picity of head room above for free working space); level the bottom soil off quite even, but with a slight dip from one side to the other of not more than one inch. This done you are ready for the pipes, which are best made of one-inch with holes on their sides in about every third pipe at 15 to 18 inches apart. The pipes at the bottom of each bin are virtually a coil, but should be made with manifolds at each end and each pipe must be of just even length so that when completed and in position it practically fills the bottom of the bin excepting about two inches at either end to allow for expansion.

The steam must enter from the boiler at the highest side and the last pipe on the lower side should form a return for condensed water to the boiler. This pipe will of course be connected with the manifold at the farther end of the bin only. Each bin should be fitted up alike and the object of every third pipe being drilled with very small holes, not over 1-16 of an inch, is to admit of steam direct escaping into the compost.

When these details are complete, run your main flow steam pipe high enough above the boiler to prevent water driving through it over to the center. Opposite the division of the two bins put a tee with nipples and two stop-cocks, one for each bin. From this connect with the head of each of the two manifolds, and where the returns leave the bin they should have stops also, running the two into one and return direct to boiler, leaving a drop directly under the boiler to form a trap. Of course air-cocks will be needed also on each manifold at the highest point. This completes the arrange-ment so far as boiler and piping, but provision must be made to cover the bin as nearly air tight as possible when filled with soil, which cooks best if fairly moist. When the first bin is filled nearly level full turn on the steam with a pressure of not less than 50 pounds and maintain it for at least 11 hours. Meantime fill the other bin and get it all ready, and by the time the first is thoroughly cooked the second will be ready to have the steam turned into it. Then uncover the first, empty it. 1 would not advise you to attempt to stand on the soil or you may have to dance a lively jig. Thus you can fill, cook and empty

five or six bins per day, but it would be useless to attempt it unless you maintain a full head of steam, at least 45 to 50 pounds pressure, as these extremely minute animals are very tenacious of life. By the best authorities it is proven that nothing short of 225° will kill them when protected in the soil, and to make sure work 235° of heat is necessary; rather warm treatment, but absolutely necessary. John N. May.

LOUISVILLE, KY.—Fred Haupt has made an assignment. The trouble is due to Mr. Haupt having become security for his brother, as his own business has been in good shape.

CANNAS NEW AMERICAN Finest in the World Our Novelties for 1898

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DUKE OF MARLBORO, darkest crimson	\$30	0.00
DUCHESS OF MARLBORO, only pure pink	30	00 (6
TOPAZ, only absolutely large pure yellow.	50	00.4
LORRAINE, pink, edged white, fine	30	0.00
MAIDENS BLUSH, delicate flesh color	15	5 00
GOLDEN PEARL, yellow, nearly double,	30	9,00
CUBA, finest and largest gilt edged	40	0.00
GLORIOSA, very dwarf, March delivery	1:	2.50
PHILADELPHIA, glowing crimson	13	5 00
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KLONDIKE, only large pure orange \$2		
Send for complete list of 50 novelties		
standard varieties at lowest prices.		

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OUR CANNAS III.

To Messrs A. Blanc & Co.
Your new cannas of last year kave me much
satisfaction. Please seed me a complete set of
your neweltles for ISS as soon as ready Also 12
Glant Crimson. etc. Signed CH MOL/N,
Lyon. France, Jan. 3, ISS

ASPARAGUS SPRENGERI

Fine plants in 6-Inch pots, ready for 8-inch \$5 per 12.

Veltch's Hybrids. \$4 per 12; Equestra, \$4 per 100; Formosissima, \$3 per 100.

CALLAS
Spotted Lenf, \$3: Black, \$5: Yellow, \$30: all per 100. Golden, \$2 each.

II pilzes ont of 22 at the last Dahiia exhibition. First prize Dahiia, Gul T EDGE, \$15 per 100 Send for special list

Per 100 Per 1000

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	1 61 100 1 61 1000
7-9 inch	
9-11 inch	5.00 45,00
I II IIII DUDDUM	
LILIUM RUBRUM (S	peciosum)
7-9 inch	4,75 40.00
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BEGONIAS TUBI	EROUS
KOO.	1 40 111
Single, separate color	
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	J • • • •
True Excelsior Pearl.	
"Hallock strain" First	size 1.00 7.50
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GLOXINIAS \dots Per do	z., 85c; per 100, \$5.00
CALADIUMS	
	3 31 3 24 00
Fancy leaved choice	bulbs, per doz., \$1.7a;
per 100, \$12.00.	
CALADIUM ESCULEI	NTUM
Cured and sound bu	

GLADIOLUS XXX Florists Mixture

VAUGHAN'S SEED STORE NEW YORK

| Shoots | Doz. | 100 | 5 to 7 inches in circumference | \$ 40 | \$2.50 | 7 to 9 to 12 | 1.00 | 6.50 |

50c per 100 less on 7-9 inch and 9-12 inch sizes if shipped from New York.

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FLORISTS' LETTERS. 11/2 IN. LETTERS

This wooden box nleely stained and var-nished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 ½ or 2-inch size, per 100, \$2.00. Script Letters \$1. Fastener with each letter or word. Used by leading fortsts everywhere and for sale by all wholesale florists and supply dealers.

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John Conley & Son,

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2 AND 4 DOMINICK STREET,

New York.

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FAXON'S "WHITE PANSIES.

The hest mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at \$1.00 each. M. B. FAXON,

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GODD PLANTS, \$2.50 per 1000, or \$1.50 per 500. LARGE PLANTS, \$4.00 per 1000, or \$2.50 per 500. BLOOMING PLANTS, \$1.50 per 100. SEED, as usual. CASH WITH ORDER.

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200,000 in cold frames of the Jennings finest size, ready to bloom, \$5.00 per 1000; extra medium size for cold frames, \$4.00 per 1000. Extra 75c per 100 by mail.

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of the finest strain, \$1.00 per pkt. of 3000 seed; \$6.00 per conce;

Cash with order. E. B. JENNINCS, Lock Box 254. Southport Grower of the finest Pansles.

Southport, Conn.

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			STRON	G	ĸо	OT	ж.				
	500	Mme. C	rozy	٠.						 \$3,10	
	300	Alphons	ie Bou	viei	٠					 . 370	
	300	Florence	e Vaug	(ha:	n.,				٠.	 . 5,00	
	500	J. D. Ca	rpos							 . 5,00	
	1,911	Ch Hen	derson							 . 3,00	
	1966	Paul Ma	arquan	٤						 , 3,00	
		Stella									
Cash	with	rorder.		ΕF	IN:	ST	M	A	٩G	Quincy,	IIIs

Everybody is more pleased if you say "saw your ad, in the American Florist" when writing.

Chicago.

The shortage of good Brides and Bridesmaids still continues. First-class long stemmed Beauties are scarce, but good short stemmed Beauties are plenty, and bring only about the price asked for Maids or Meteors. Tulips are very much improved in quality, and are quite plenty; fancy pink sells well, other colors very slow. Dutch hyacinths are on the mar-ket in all colors. We now have a full line of all bulb stock and unless an outside market can be found for it, the prospect is that it will be sent in faster than it can be disposed of.

Retailers report trade quiet. The very cold weather we have experienced for the past three or four days has had a very depressing effect upon the retail trade,

especially in plants.
W. E. Lynch had on exhibition this week a vase of nearly pure white earna-tions, a sport from Tidal Wave, that is without doubt a good carnation; if the sport has the constitution and productive qualities of the parent plant it will find a place in the market. It was grown by Otto Hansen, of Galewood, Ill.

Mr. Arnold Ringer returned last Sunday from a trip through the East; he reports business good, and prospects very encouraging. Trade has been good very encouraging. this winter, and prices better than they

this winter, and prices better than they have been for the past three years.

Mr. Ellis, of Ellis & Pollworth, of Millwaukee, visited Chicago this week.

It is reported that F. J. Foster, of the Krebs Floral Co., St. Louis, has severed his connection with that firm.

G. Il Pieger, of Fermiont Price Co.

G. H. Pieser, of Kennicott Bros. Co., will start on a trip through the South,

February 10.

The greenhouse of Pelke & Mueller, of Wilmette. Ill., eaught fire Wednesday night about seven o'clock. Felke & Mueller have between forty and fifty thousand feet of glass. The boiler shed and over one-half of the houses were totally destroyed, together with all the stock in the part which was not burned. It is impos sible to estimate the damage done to the heating plant. Mr. Mueller, Sr., was badly burned about the face and eyes, and it was feared at the time fatally injured. He is somewhat easier this morning, and it is hoped he will recover, though it is doubtful if he regains his sight. The loss is estimated at about \$20,000 on the greenhouses and stock. No insurance.

Chrysanthemums in Low Greenhouses.

In answer to "Subscriber," I would advise him to build a bench on the ground rather than plant chrysanthemums in the solid hed. One is then better able to control the root action and keep them dwarf, which seems to be an important point with him. As there is a great difference in the height of the several varieties it would be well to consult some rehable catalogue and plant only the varieties of distart habit

The difference between crown and for mind bud is the crown bud is the first one to make it appearance indicomes sometimes in July or August and is of lit tle value. It should be rubbed out, allowing one of the shoots, which comes by its side to grow on, which in time will then another bad surrounded with a number of other hads, the mean one being the terminal and in the trace the best one to who that your flower

Tor Subscriber who has such little headroom to grow his plants I would advise planting fine struck outlings

C W John ces



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Gonts | sorid check for amount of enclosed fill, and think I shall need more of the Tobacco Extract for in the trill | \$\mathbb{T} \times \text{PAYARACT I EVER HAD} \text{ bell teeme}

b) Irelyth at once as we love two houses longing for a dose. Yours truly, GEO S OSHORN,

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line collection of varieties including Wm. Agoew, Nymphaca, John Bragg, Oban, Zulu, Beauty of Brentwood, etc., etc. Our selection, twenty varieties to a thousand, \$50,00. Purchaser's selection, twenty varieties to a thousand, \$60.00.

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> Can profitably handle our Packages of Plant Food. Attractive, take little 🛰 💸 shelf room. Valuable 🤜 booklet free. Good profits.

The WALKER FERTILIZER CO. Clilton Springs, N. Y.

Cincinnati.

Business the past week was but moderate, nothing of importance having occurred here of late with the exception of some large funerals. The scarcity of roses reported last week still continues. Carnations are in good demand and prices stiffened up a little the last of the week.

George and Allen are still in the lead with valley, which finds a ready sale. This same firm is bringing in some good Keizerskroon and La Reine tulips. Mr. J. A. Peterson has a grand display in his store window. The background in one of the windows is azalea intermixed with camellia, the front arrangements consist of several specimen plants of cattleyas and adiantums.

A special meeting of the Cincinnati Florists' Society was called for Saturday, February 5, to make final arrangements in regards to the Chicago carnation convention. It is to be hoped that a good delegation will attend. All florists of neighboring towns interested, may apply to H. Schwarz, Price Hill, Cincinnati, for particulars.

A little stranger made its appearance at the home of Mr. and Mrs. E. G. Gillett on Thursday, January 27. Ed. was all smiles at his place of business and said "its a girl"; mother and baby are doing well. Recent visitors: Messrs. J. M. Gasser, of Cleveland and W. G. Matthews, of Dayton, Ohio.

H. Schwarz.

Buffalo.

There seems to be only the same old story to tell in regard to business. It has had its usual ups and downs—mostly downs. No startling events have occurred to act as a boom.

some talk is heard in regard to a flower show for next fall. There is a small amount in the treasury of the Florists' Club that might be devoted to such a purpose, and as "The first duty of the majority is to reduce the surplus" the club will probably vote to hold a show.

Rumors are affoat to the effect that there is to be an uptown movement on the part of some of our store men. It is reported that Scott has already secured a store in a good location above Chippewa street. His old familiar store has long been too small for the business and the move has been expected. Who next?

Travelers have been rather scarce during the week. Those noted were Messrs. S. Skidelski, W. J. Boas and Max Beatus.

Du Quoin, ILL.—The Du Quoin Floral Co. have started in business with one plant house 18x50, heated by hot water. They will build rose and carnation houses in the spring. The company is F. W. Gross and J. W. Canaga.

Grand Rapids, Mich.—Edward Mulich, florist, has started in business at the corner of Fish and Cleveland avenues.

Cut Flower Price Lists Received.

We are in receipt of cutflower price lists from the following firms: W. A. McFadden, Cincinnati; Holton & Hunkel Milwaukee; W. F. Kasting, Buffalo.

FLORISTS' MUTUAL

FIRE INSURANCE ASS'N

Application Blanks and Prospectus Ready....
Write now. Delays are dangerous.

W. J. VESEY, Sec'y, - Ft. Wayne, Ind.

Wholesale Flower Markets

	CINCINNATI, Feb. 3.
Roses	Beauty select
reoper	" medlum
4.6	Brides 5 00@ 7 00
**	Bridesmaids 5 00@ 7.00
4.6	Meteora 6.00@ 8.00
**	Perlea 4 00@ 5 00
arna	itiona
**	fancy 3.00@ 4 00
alle	y 3 00
loma	na
Brei	86116 4 00
	dils 5.00 ts
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llo.	10.00
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	itum 1 00
	agua 50.00
080	St. Louis, Feb. 3.
OSE	1, Beautlea
44	Meteors
14	Perlea
4.5	Wootton 4.00@ 5.00
41	La France
4.6	Kalserine 4.00@10.00
4.6	Carnot 6 (00@12 00
rna	tions 2.00@ 4.00
iole	te Celifornie : 30m 56
**	aingle
alle	v 3.00.å: 4.00
arr	sil10.00@12.50
ılla	8 8 00@12 50
ulip	8. 2.00 & 3.40 88ua, Romana 2 50@ 3.00 x 12.50 & 15.00
arci	seua, Romana
mus	X
	BUFFALO, Feb. 3.
coses	Beautlea
**	Brides, Bridesmaids, Meteors 6 00@12 00
	Perles 4.00@ 6.00
**	Niphetoa 4.00@ 6.00 Kalserin, Mermeta. 6.00@12.00
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	MILWAUKEE, Feb. 3.
2000	Rannty 15 00@40 00
robe.	Beanty
44	Perle 3 00@ 6.00
**	Meteora. Bellea 4 00@ 8 00
arn	itiona
	ts
	ma . 2 (X) (a), 3 (X)
Valle	v 3.00@ 4.00
ree	las 2 00@ 3.00
Calla	a. Harriaii
3molla	x10.00@12 50



ROSES, CARNATIONS, AND ALL KINOS OF SEASONABLE FLOWERS IN STOCK.

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495 Washington St., Buffalo, N. Y.
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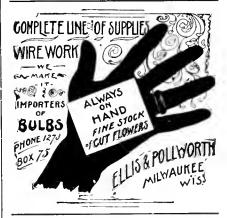
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CHICAGO, Fe	D. 1.
Roses, Beauties per doz.	2.00@5.00
" Brides	
" Meteors, Bridesmald, K	aiserin 4,00 🖂 8.00
" Perle. Gontlers	3,00@ 5,00
" La France, Testout	5 000/10 00
arnations, common	1.00km 2 00
" fancy	2.00@ 5.00
dolets	
Varcissus. Romans	
Iarrish, Callas	
alley	
Calips	1.00c/ 5.00
on sion	2,00a 3 0d
iyacinths	
Adlantum	
milax	
Asparagus	

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HEW TORK, PGO 2.	
Roses, Beauty,	5 00@65.00
" Br.des. Bridesmaid	3 00% 10 00
" Testout, Carnot. Meteor	4 00@ 12 00
" Morgan, Cusin	2.10 a 5.00
	1.00@ 2.00
	2 50cm 4.00
Valley	
Mignonette	2 10000 6 60
Violets	.40 4 1.00
Harrisii	8.00@10.00
	1.50@ 3 00
	8.00 a 10.00
Cattleyas	
Daffodiis, Jonquils.	1 0000 30 10
	1.00 (0.00)
Boston, Feb. 2.	
Roses. Beauties	0.00 $%$ 75.00
" Perie, Niphetos	$2\ 00@\ 4\ 00$
" Bride, Bridesmaid, Morgans	4 00@ 12.00
" Carnot Meteor	6.00@12.00
Carnations, ordinary	1.00 @ 2 00
" fancy	2.00@ 3.00
	3.00(a) 4.00
Violets	.35@ .75
Hyacinths, Narcissus, Freesia	.75@ 2.00
Tuilps	3.00@ 4 00
	210015
PHILADELPHIA Feb. 2.	
Roses, Beauties, per dozen3 00@8.00	7 00 0 10 00
" Teas, firsts	7.00310 00
Beiect	
Carnations	
Valley	3 00ta 4.00
Violets	
Narcissus	2.50kg 3.00
Hyacintbs	
Harrisil	0 00@ 12 00
	4.00@ 5 00
Tulips	4.00

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It pays to trade at headquarters and the greatest house in America.

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70,000 Novelty Tulips

This is a sure seller; once you try it you will never be without them You can order them from any broker as we sell to them all. Price

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Am. Beauties, fancy, fair length	35,00
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Meteors, extra select	\$7 to 9
Brides, Maids, extra select	\$7 to 9
Meteors, Bride, Maid, good average,	#4 to 6
Perles, extra select	\$4.10 6

	Per 100
Duese cur calcution	
Roses, our selection	
Callas, Harrisii	12½ to 15
Romans, Narcissus	\$2 to 4
Adiantum	\$1 to 1 25
Asparagusper s	tring, 50c to 65c
Calax	\$1.50 per M.
Common Ferns	
Common 1 erus 500 sold a	it 1000 rates,

	ter 100
Violets	\$1 to 1.25
Valley, our specialty—the best	\$2 to 4.00
Smilax, fine	\$10 to 12½
Carnations, extra select,	\$2.00
Carnations, white	\$2 to 3
Carnations, good average stock.	11/2c to 2
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Sundays and Holidays.
We always ship estra select or high-grade goods

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THE VALUES WE GIVE ARE OUR BEST ADVERTISEMENTS....

Montreal.

A VISIT TO LACHINE. - MEETING OF THE CLUB.—ELECTION OF OFFICERS —BAN-QUET .- SILVER CUP PRESENTED TO GEO. ROBINSON.

Your correspondent took advantage of a fine day last week and drove out to Lachine to visit a couple of our large florists' establishments which are situated n this fast growing town. Mr. Colin Campbell's place was the first visited. We were fortunate in finding the proprietor at home, and were shown through his extensive establishment by that gentleman. Mr. Campbell grows almost everything required for his retail store on St. Catherine street in the city, and contrary to the usual condition of things where such a variety of lines are attempted, everything is in good condition. A large house which was full of chrysanthenums a couple of months ago is now planted with sweet peas; these were transplanted from the seed boxes in rows about eighteen inches apart, and the plants about nine inches apart in the rows with a string to each to the roof.

A house of Asparagus plumosus was exceptionally good, also a house of smilax; a house of palms and ferns looked well. A large house full of azaleas, primulas, cyclamens, Harrisii and longiflorum lilies, etc., was well worth seeing.

Mr. Joseph Bennett's place was next visited, the proprietor had just left for the city, but we were very courteously taken through the place by Mr. Smith, the foreman. Everything was found in apple pie order as usual, in fact the neatness and order all over the establishment was and order an over the establishment was very marked, reflecting great credit on proprietor and employes, the motto here is "A place for everything, and everything in its place." This establishment like Mr. Campbell's is devoted to growing everything required for Mr. Bennett's store on St. Catherine street. St. Catherine street.

Two houses are devoted to roses, all of which look remarkably well, the principal varieties noticed were Meteor, Sunset, Bridesmaid, Bride, Morgan and Beauty; Morgan being exceptionally fine, and apparently quite "at home" under the treatment it receives. A couple of houses of carnations are equally good, Albertini, Scott and Daybreak in pink are very strong and producing large quantities of bloom now; McGowan is the principal white, and is also very strong; in red Garfield, Jubilee and Meteor are perfect. No rust was noticed. A large stock of palms grown from seed, in the various stages from the seed box to the large decorative plant was noticed. A specialty is made of small ferns of which several thousand are grown annually from spores. A bed of sweet peas was noticed which ought to be blooming well for Easter.

The Montreal Gardeners' and Florists' Club held their annual election of others last night, President Walsh presided; there were about fifty members present.

Mr. Walsh positively declined nomination, as he had served two years, and there being an unwritten law that the same man must not occupy the position for more that period. Mr. Alfred C. Wilshire was nominated and elected by acclamation. Mr. George Robinson was re-elected first vice-president and W. Whiting re-elected second vice-president; for treasurer, Mr. Walter Wilshire was elected to replace his brother, Alfred C., who had occupied that position for about four years. Mr. Fred. Bennett was re-elected secretary and Wm. Harobin his assistant.

BEAVER.

Palmer's Hot Bed Mats FROST PROOF



WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

MADE IN FOLLOWING GRADES:

No. 1—Buriap Cloth, filled with combination wool and quilted, seams 3 inches a part and edges firmly bound.

Size 40x76 inches, 50 cents each. 76x76 ... 75

Made any length, 76 inches wide, at 12 cents per running foot. ×

No. 2—Duck Cloth outside, filled and quilted same as No. 1.
Size 40x76 inches, \$0.75 cach.
76x76 ... 1.00 ...
Made any length, 76 inches wide, at 16 cents per running foot.

No. 3—Waterproof, made of oil duck, filled and quilted same as Nos. 1 and 2.
Size 40x76 inches, \$1.00 each. 1.25 to \$1.25 to \$1.25 to \$1.50 each. 1.10 Made any length, 76 inches wide, at 20 cents per running foot. That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

PATENT APPLIED FOR.

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Norman Style in Sprays, Tinted and Delft. Tuscan, in Sprays, Tinted and Delft. Milan, in Sprays.

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Wheat Sheaves and Immortelles.

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Do not order any ferns unless you are willing to pay this price as my stock is very limited and I have hardly enough now to carry my old stand-by

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AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres. F. B. CLARK, 1st Vice-Pres. S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas

DES MOINES, IA.—The Iowa Seed Coreport as follows: "We to-night figured up the number of retail mail orders received and are surprised to find that we have received 60° more orders than during January, 1896, and 89° more than during January, 1897. Catalogue was mailed about the same time as previous ears, and we know no reason for the change except that there is a better feeling among the people, and believe that it augurs well for a profitable season.

It is reported that the Department of Agriculture has given the Henry Phillips Seed and Implement Co. a supplementary order amounting to about \$15,000. This expenditure in connection with some foreign purchases is understood to exhaust this year's appropriation.

Continued drouth and cold weather discourages the California seed growers.

Ex-Secretary Morton on Free Seed Distribution.

Under the old system all the dead, ungerminative refuse of the seed dealers of the country was sold to the Department, and there packed and labeled at an expense generally equal to, and often more than, the cost of the seed.

Under the new method the seedsman who has the contract must put his own name on each packet. That fixes the responsibility for the quality sent out. Moreover, under the new system there is scientific and vigorous inspection by a seed expert of the Department, by which the germinative and pure quality of the seed is determined. Under the old way the there was no scientific inspection.

But the old way and the new way are bad ways. There is no reason why the Government should distribute new or old varieties of vegetable and flower seeds gratuitously among the people any more than there is reason for its sending gifts of the eggs of improved poultry, or dona-tions of bulls, hoars, and stallions among the farmers of the United States. The practice is an outrage upon those who raise seed to sell. It is an outrage for the Government, under any sort of an administration, to put public funds into seed gratuities which are to be distributed m competition with the legitimate producers and dealers in the same article. But it is particularly, glaringly gro-tesquely inconsistent for a party which preaches protection against the import cronced the products of "pauper labor," and which under the great revenuerei dering brigley Bill, puts a big duty on foreign garden seeds, flower seeds, and bulss bied in agrorance from the pauper he ds of Europe to back with the National Treesur, the indiscriminate dis tribution of seed, without price, seeds congressional, seeds Departmental, in competition with seeds for side by honest, hard working sood producers and dealers, who are not bacigners, but crizens of the braich States who reintant industry' usks to protection a copy from competition with the direction of aputridipaternalism. Agricultural Adverting

Lessons With Plants.

Through the courte is at A.C. McClurg & Co., of Chicago, we have received a

copy of this new botanical work by Prof. L. II. Bailey. The author departs somewhat from the beaten track, and supplies a series of interesting studies of plants Such topics as "twigs and buds," "leaves and foliage," "flowers," "fructification," "propagation" and "behaviors and habits" are discussed entertainingly and and flowers, well and profusely illustrated. accurately.

Catalogues Received.

Henry A. Dreer, Philadelphia, Pa., garden calender; Ellwanger & Barry, Rochester, N. Y., trees, shrubs and fruits; Spaulding Nursery & Orchard Co., Spaulding, Ill., trees, shrubs and fruits; Storrs & III., trees, shrubs and fruits; Storrs & Harrison Co., Painesville, O., seeds and plants; W. B. Cole, Painesville, O., fruits and flowers; Jno. D. Imlay, Zanesville, O., seeds and plants; Nanz & Neuner, Louisville, Ky., seeds and plants; John A. Bruce & Co., Hamilton, Can., seeds; Luther Burbank, Santa Rosa, Cal., fruits and flowers: Lewis Roesch Fredonia N and flowers; Lewis Roesch, Fredonia, N. And Howels, Lewis Rosein, Fredoma, R. Y., trees, shrubs and fruits; Schlegel & Fottler, Boston, Mass., seeds, plants and bulbs; Dwight Seed Co., Reading, Pa., garden and farm annual; Wm. C. Babcoek, Bridgman, Mich., fruits and plants; S. D. Woodruff & Sons, Orange, Coun., S. D. Woodrin & Sons, Orange, Cond., San Seeds; Sunset Seed & Plant Co., San Francisco, Cal., seeds; The Conard & Jones Co., West Grove, Pa., seeds and plants; Wm. Baylor, Hartland, Cork, Preland, seeds; J. Lambert & Sons, Trier, Prussia, seeds; W. F. Allen, Jr., Salisbury, Md., fruits; Reasoner Bros., Oneco, Florida, plants, trees and shrubs, wholesale and retail; Sander & Co., St. Albans, England, florists' orchids; George C. Watson, Philadelphia, Pa., bulbs and roots, wholesale; The Morris Floral Co., Morris, Ill., plants, wholesale; W. Atlee Burpee & Co., Philadelphia, Pa., seeds, wholesale; F. Dorner & Sons Co., La-fayette, Ind., plants; E. G. Hill & Co., Kichmond, Ind., plants; Wm. Swayne, Kennett Square, Pa., plants. 65.

E. F. C. YOUNG, Pres. V. P. SNYDER, VIce-Pres. JOS. D. REDLE, Secy. R. S. FOWLER, Treas. S. M. PEASE, Gen'l Mgr.

The Cleveland Seed Co.

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Peas Beans

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Cape Vincent, N. Y.





RAFFIA New consignment just arrived by Str. Maine. Having purchased on a very tavorable stock quickly, make the following special low quotations for prompt orders:

Grafting Wax

Irowbridge's celebrated Grafting
Wax, the genuine article, 1 lb. bars
at 19c; ½ lb. bars at 20c; ½ lb. bars
at 21c per pound. Rebates: 10 lb.
lots, 5 per cent; 25 lb. lots, 10 per
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lots, 20 per cent lots, 20 per cent

G. C. WATSON,

Juniper, below Walnut, - PHILADELPHIA.

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Importers and Exporters of

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Send for quotations on all Florists' Bulb Stock.



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Made from VIRGIN NIGHT SOIL by steam pro-cess — NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc. PHILADELPHIA. IB22 Filbert Street.



PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Newport, R. I.

Upon invitation of the Newport Horticultural Society, a large audience assembled on the 26th inst., at the society's hall to listen to a lecture delivered by Prof. H. J. Wheeler, Ph. D., of the Rhode Island Agricultural Station. The subject was upon the purpose of ascertaining the needs of particular soils, special manurial requirements of certain plants, investigations as to the substitution of soda for potash, and the action of lime upon the growth of various plants. Stercopticon views, showing experiments of the action of lime on crops, went to prove that lime was a benefit to most crops, while a few derived little benefit, and to a small percentage its use was injurious.

Prof. Wheeler advised the examination of land as to its requirements of fertilizers and lime, as land that has become acid or sour will be benefited by applying lime; and to test the acidity of land, place a piece of litmus paper into a piece of damp soil; if the paper turns red the soil is acid. Another test would be to stir some soil and a quantity of water in two glasses; let the water settle, and pour some ammonia in one glass; if it settles clear the soil is not sour, and needs no lime. He also gave much information as to fertilizers

After the lecture a vote of thanks was given Prof. Wheeler, and a short business meeting was held, when it was voted to give a ball on February 17, and an entertainment committee, consisting of Arthur Griffin, Robert Laurie, John Allan, Joseph Gibson and J. J. Butler were appointed to arrange for same.

for certain soils.

The society will shortly issue its schedule for a chrysanthemum exhibition.

J. J. BUTLER.

Floral Belts.

One of the latest Paris fashions in re-lation to the use of flowers for personal adornment, says the *Gardeners' Maga*adornment, says the Gardeners' Magazine, is the wearing of belts of flowers. The majority of the French ladies prefer belts made of Parma or Neapolitan violets, small roses, or pansies. The belt is completely covered with the flowers, which are seven thicky together in which are sewn thickly together on a plain band of silk elastic, great care being taken to use the finest silk of exactly the same shade as the flowers chosen.

LE ROY, ILL.-L. A. Rike & Son, florists, will build another house 16x64.

THE ALBERT DICKINSON CO. RASS SEEDS

Parks, Tennis Courts, Lawns, &c. In facey I and 2 pound packages and bulk SPECIAL PRICES TO THE TRADE.

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SEEDS LAWN GRASS \$12.00 per 100 lbs. Finest Quality Ever Offered (Retails (a 30c. lb.)

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of Canna roots, all in per-fect condition, strong roots, two and three eyes; strictly true to name and unmixed.

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65	Alex Billard \$ 3.50	
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Orlolo	10 00	
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5 PER CENT. DISCOUNT FOR CASH WITH ORDER.

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Peas, Beans and Sweet Gorn

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TUBEROUS BEGONIAS

\$4.00 per 100. * These are large, extra fine 🛰 Bulbs, English strain.

LILIUM SPECIOSUM RUBRUM, \$3.50 per 100 LILIUM SPECIOSUM ALBUM, \$4.50 per 100

Fine Nursery Stock such as Rhododendrons. L. C. BOBBINK, Rutherford, N. J. Branch of The Horticultural Co., Boskoop, Holland.

NEW . GIANT . ESCHSCHOLTZIAS,

"THE GOLDEN WEST."

New Giant Fancy Cosmos, six splendid varieties, separate, \$1 o.c.; Giant Cosmos, splendid mixed, 65c o.c.; Calliopsis "California Sanbeams," \$1 o.c. Special rates given on Cosmos in quantity; Apple Geranium, fresh, \$1 per 1000 seeds; New Large Flowering Zonale Geranium, \$2.50 o.c.; Ipomaa, "Heavenly Blue," \$1 o.c., \$12 lb.; Laurustinus grandillora, \$1 o.c.; Zinnias, "New Curled and Crested," 50c o.c.; \$5 lb.; Nassturtium Good Venture, Mixture, 60c lb.; \$8 per 15 lbs.; Seaforthia elegant (Palm) 40c per 100 seeds, \$3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.
MRS. THEOLOGIA B. SHEPHERD.

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White Cloud Gold Nugget Empress Mrs. Frances Joost Wellesly Conch Shell Psyche	\$ 2 00 10 00 75 00	per	100
Painted Lady			
Daybreak \$2,10 per 110;	≰t8 00	per	100
Jubilee 3 50 per 100	30 00	per	1000
Eldorado	\$ 2.00	Dar	100
Meteor			1000
Bridesmaia	15.00	f.e.	1000

FLORA HILL	\$ 5.00	per	100
	40.00	per	1000
Nivea	\$ 3.00	per	100
	25.00	per	1000

Alaska Scott McGowan	\$ 1.50 per 12.00 per	100 1000
Triumph	\$ 2.50 per 20.00 per	100 1000

H. F. LITTLEFIELD, Worcester, Mass.

Send your name and address and receive illi-trated and descriptive price list of Evelina.

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. A Surpasses Wm. Scott.

R. WITTERSTAETTER, Sedamsville, O.

Pittsburg.

TRADE QUIET.-MEETING OF THE PITTS BURG AND ALLEGHENY CLUB. - ANTON KRUT OPENS A NEW STORE.-BLIZZARD.

The trade hereabouts remains in the same comparatively quiet state that it has been in since the holiday rush; some of the firms have had a pretty good trade in the social function line, but taken as a whole, business has been only fair. Stock is of good quality and plenty, with the exception of roses.

The Pittsburg and Allegheny Florists' and Gardeners' Club held their regular meeting on the night of January 27 with a fair attendance. The election of officers for this year resulted as follows: President E. C. Reineman; vice-president, George Osterle; treasurer, James Semple; secretary, T. P. Langhans; assistant sec-retary, E. C. Ludwig; executive committec. Gustave Ludwig, Theodore F. Beckert, P. S. Randolph. The annual dues were reduced to \$2, and a committee of five were appointed consisting of P. S. Randolph, Fred. Burki, John Bader, T. P. Laughans and President Reineman, to arrange to have something to present at the meetings that will be entertaining or instructive to the members so as to revive the waning interest, make the club what it ought to be Fa real, live club—and which there is no good reason why it ought not to be. The committee is a good one, and it is hoped will be successful.

Anton Krut who has recently opened a florist's store on the South Side, was elected a member. Mr Chas, T. Subart of the East End exhibited a very fare collection of the carnation Evelina, gr. win b. F. Witterstactter, Sedamsville, Ohmo. and Messis. Langhans & Co., a Ohnor and Messis Langhains & Con, a collection constrting of Victor, Chas, A Dance. Here of HT and Jubilee from Ed., to Ford Physiologian both collections de technical techniques of the control of the

Kathleen Pantlind

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Premium-5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE,

Saturday.

Paul P. O., E. GRAND RAPIDS, MICH.

FIREFLY

A RUST PROOF CARNATION FOR BUSINESS.

Is a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Uan be seen at Vaughan. McKeller & Winterson's every Wednesday and Saturday.

Bright seariet and POSITIVELY RUST PROOF. As productive as Scott. Rooted Cuttings Feb. 15th, \$10 per 100, \$75 per 1000. Send for descriptive list of Firefly and lifteen other novelties of '98, fifteen varieties of '97 and older standard sorts.

GRAND MAVEN. MICH. GEO. HANCOCK & SON.

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Wholesale Florists

Specialties & ADRIAN, MICH.

CHRYSANTEMUMS CARNATIONS .4.4.4 AND VIOLETS.

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50,000 Flat-Grown GARNATIONS

	STR	ONC S	тоск.	per 100	per 1000
Daybreak				\$2.00	\$15 00
Scott				2 00	15 00
Rose Queen.				2 00	15 00
Tidat wave.				1.50	12.00
Portla.				1.50	12.00
Rob Roy (ne	w 1			10.00	
Jubilen					
Snow Queen					
Silver Spray				1.50	12.00
L. Mctlowan				1.50	12.00
Eldorado. M					
Flora Hill .					
Triumph, Ar					
Pluto, new.					

Cash with order. HENRY A NIEMEYER, Erie, Pa-

NOW OR NEVER

Is your chance for getting your name and address into the 1898 Directory. Do not be too late. In addition to the arrangement of names by States and Towns, a complete alphabetical list of all names will appear. If you know a man s name and have leagetten his address, you can thus readily find it. This is an entirely new feature and will double the value of the book.

SPLCIAL LETORTS are being put forth to make the New Directory (sixth editioni complete and reliable in every particular. Florists, Surserymen and seedsmen are all represented. Write for advertising rates,

AMERICAN FLORIST COMPANY,

321 DEARBORN STREET, CHICAGO.

St. Paul.

GOOD WEATHER BUT STOCK SHORT.-LOOK OUT FOR THE PALM SWINDLER. - BEAU-TIES A FAILURE.

The weather for January was the finest on record for the florist.

Flowers, however, are not abundant and the demand has exceeded the supply for several weeks. Roses are all off crop, and while the plants are vigorous and thrifty and are making plenty of new growth the crowning glory of that growth, good blooms, are not yet apparent. Roses of all kinds are in good demand, the greatest call being for Meteors and Brides. Bridesmaid sells well the year round, and taking everything into consideration, is the most popular and profitable pink rose grown in this

fellow who was reported at Buffalo and Montreal, was here about ten days since, and obtained \$60 worth of choice plants

from Aug. Vogt.

vicinity.

The palm swindler, evidently the same

C. A. Smith, of Minneapolis, has a range of well appointed houses, devoted principally to roses and carnations. He grows the old time favorite Bennett to perfection on stems of good length along with a bench of choice Woottons in the same house. His Brides, Bridesmaids and Testout are also remarkably clean and strong and promise an abundant cut in the near future. Mr. Smith bought quite heavily of Belle Siebrecht the year of its introduction, and has grown it with varying success ever since. With him, as with others, its fault is its weak stem. Just at present Mr. Smith's house of Marie Louise violets would be hard to beat.

At John Vasatka's the usual quantity

of geraniums and other choice bedding stock was seen. Mr. Vasatka has made a specialty of growing this class of stock years, and knows just how to do it.

Mendenhall's orchids are the finest and largest collection in a commercial place in the northwest. His main stock consists of Cattleya labiata and Trianæ, with a good assortment of choice dendrobes, lælias, eælogynes, etc. His extensive range of houses is well filled with a general line of stock.

A. Hartman's houses are well filled with choice stock. Mr. Hartman is just recovering from an attack of appendicitis. His able foreman, Mr. Hall, has kept things booming just the same.

E. Nagel & Co. report increased sales

and a general improvement in the cut flower business all along the line.

A visit to the greenhouses of Carlsen & Lauritsen, located at Como Park, shows a decided improvement since the change of ownership. This is the establishment formerly owned and operated by C. I. Warren, who left here some two years since. The property passed into the hands of the mortgagee who sold it last summer. A violet house has been added and a new boiler pit and a new boiler put in. The place is devoted principally to roses which are looking very fine.

The query how to grow good Beauties in mid-winter in this latitude is still going round for an answer. The best growers here are unable to cope with the question. Heretofore the poor success could be attributed to dark, cold weather, but this season with bright, sunny days and mild temperatures, the Beauty acts just the same, and puts forth as many bull headed flowers as usual. As many people prefer this rose at \$1 each, when \$2 per dozen would be considered high for good teas, there is a Klondike in store for the grower who succeeds in producing good blooms all the season through.

E. F. Lemke's range of houses is filled with the usual amount of good salable stock, his main crop being roses. He plants both in solid beds and benches, and grows as good stock in one place as in another. His carnations of the Silver Spray variety are poor and played out. This once popular variety seems to have rapidly degenerated into a mere scrub

FELIX.

JEFFERSON CITY, Mo.-Mr. Daniel Casey, gardeuer at the state greenhouses, has a number of very promising carnation seedlings. One of them, a red named Mrs. Lou V. Stevens, he thinks is especially good, and expects to put it on the market after further careful test.

Now or Never

Is your chance for getting your name and address into the 1898 Directory. Do not be too late. In addition to the arrangement of names by States and Towns, a complete alphabetical list of all names will appear. If you know a man's name and have forgotten his address, you can thus readily find it. This is an entirely new feature, and will double the value of the book. SPECIAL EFFORTS are being put forth to make the New Directory (sixth edition) complete and reliable in every particular. Florists, Nurserymen and Seedsmen are all represented. Write for advertising rates.

for advertising rates

American Florist Company,

324 Dearborn Street, CHICAGO.



DREER'S

"SPECIAL OFFER" OF EASTER 🗷 🥦

AZALEA

We are carrying in stock an immense quantity of Azaleas for Easter forcing: the plants are in good condition and finely set with buds; the varieties we offer are only the best commercial sorts.

As these plants can be more safely shipped when in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

Size in parts, rice leastly growns

Size in parts, rice leastly growns

Size in 10 to 12 \$5 00 \$40 00

 5-iu. pots, nice bushy crowns.
 10 to 12

 6
 12 to 15

WE CAN FURNISH THE FOLLOWING VARIETIES ALL GRAND

SPECIMEN PLANTS

BERNHARDT ANDREAS	ALBA, 20-inch	-diameter	CTOWNS							- %≋ on eacin
4.4	** 30	••	4.5							10,00 **
A. BORSIG,	36	**	+4							10.00 **
DEUTSCHE PERLE,	20	+4	9.6							2.00 **
DR. D. MOORE,	54	4.5	4.9							3.00 **
EMPRESS OF INDIA,	18	4.5	* *							2.00 %
PUNCTULATA,	26	+4								3.00
SIMON MARDNER,	18	**	4.9							2,50
VERVÆNEANA,	18		**							
MME. VAN DER CRUYZI	EN	16-inc	h at \$1.	00; 18	-incl	ata	1 50:	20-i	nch at	2.00 "
4.9		22-inc	hat 12.	50; 24-	incl	ats	5.00;	28-1	nch at	7.50 "

Pot-Grown Lilacs for Forcing.

SPECIMEN AZALEA

Fine pot-grown plants, bushy and covered with buds, Charles X, and Marie Lagraye, 50c each.

Metrosideros Floribunda. Bottle Brush.

We have a fine lot of both tree and bush shaped plants of this useful plant, in fine shape for forcing for Easter.

Bush shaped plants with 12-inch bushy crowns, \$t

Standards with sfems 20 inches high and 12 to 15 inch crowns, \$1.50 each.



Acacia Armata.

A pretty spring flowering variety which produces its flowers in globular heads from the axils of the foliage in such a manner as to completely envelope the plant in a pleasing light yellow; an excellent plant for Easter forcing, succeeding under the same culture as the Azaleas. We offer a fine lot of well-budded specimen plants in 7 and 8-inch pots, 26 to 30 inches high, \$2.00 and \$2.50 each.

3332222EEE666



See our Flower Seed "Ad" in this Number.

HENRY A. DREER, 714 CHESTNUT ST., PHILADELPHIA, PA.

Indianapolis.

The February meeting of the Florists' Club, held at Huntington & Page's seed Tuesday evening, was largely attended. There was much indignant discussion about the party who claims to represent a prominent florist of the north side, that visits houses where a death has occured and insists upon getting some funeral work to do, in fact, can hardly be got rid of until he has an order. Then when delivering the goods, will not leave without his money, which probably is done to avoid making his name known. A committee has been appointed to see to it that the newspapers bring the matter before the people. Thirty thousand tickets will also be printed which the florists will distribute among their customers, asking for their assistance in suppressing this disgraceful way of doing business.

Mr. Hatfield's paper on "Why do we ventilate," contained many good pointers and was listened to with much interest.

Robert McKain reported that the wife of the late pioneer florist of this state, Mrs. Allen Lloyd, had passed away. The three oldest members of the club, Messrs. Hatfield, Wiegand and Langstaff, were appointed a committee to represent the club at the funeral and provide a floral tribute. Both Mr. and Mrs. Lloyd were for many years honorary members of the state society, and were held in high esteem by all.

On the kind invitation of Huntington & Page every meeting hereafter will be held at their store.

Syracuse, N. Y.

Trade opened up rather quiet the begining of the week, but large funeral orders and high school exercises made business quite lively the latter part.

Cut flowers of all kinds, with the exception of bulbous stuff, are very scarce, owing in a great measure to the extreme cold weather, accompanied with heavy snows now prevailing. Last Sunday was the coldest day this winter so far, the thermometer going down to S' below zero, and at this writing a genuine blizzero, and at this withing a genuine stard is in progress. Both foliage and flowering plants have a downward tendency, the majority of sales, which are tew and far between, being more for small, low priced plants, such as einerarias hyncinths, and primroses, than higher grade specimen plants.

Thos Pashop, our genual park superintendent, is able to be out and around again, after a long and painful sickness, resulting from blood poisoning.

ALPHA.

ORCHIDS ORCHIDS

ORCHIDS

Our Specialty. Correspondence Solicited. LAGER & HURRELL, - Summit, N. J.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA PAONIES, PHLOY, IRIS, DELPHINIUMS, ETC., ETC.

JACOH W. MANNING, The Reading Normery, READING, MASS.

Estamount d When writing mention the American Exprist



Adiantum Farleyense

BEAUTIFUL PLANTS. In 5-inch pots, at \$100 per dozen.

EDWIN LONSDALE, Wyndmoor,

Money Order Office, Station H. Phila.

Chestnut Hill, PHILADELPHIA, Pa.

BOSTON FERN

Strong plants, 6-inch pots, \$1.00 each; \$12.00 per doz.; also three varieties of PTERIS, bushy plants, 5-inch pots, 20c each; \$2.40 per doz.

IOHN WELSH YOUNG,CERMANTOWN, PA.

ROSE HILL NURSERIES, JUST ARRIVED!

Cocos Weddeliana \$7.50 per 1000. 5000 lots, \$36.00.

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Avenue.

Rooted Cuttings, 25 of the leading kinds, 60c per hundred free delivery. I will give good count.

S. D. BRANT,

THE CLAY CENTER FLORIST. CLAY CENTER, KAS. FEBRUARY OFFER.

1,	er 100
Alternanthera, Yellow, \$1.50; Red\$	2.00
English Ivy	3.00
Begonias, 5 var	3.00
Oxalis Floribunda	2.50
Ceraniums, 16 Var., 2-in. pots	2.50
Paney Plants	1.00
CASH WITH ORDER	

JOS. H. CUNNINCHAM, Delaware, O.

LEUCOTHE OF all wholesale florists or write the Introducer for free samples and information......

SPRAYS... HABLAN P. KELSEY, BOSTON, MASS. 150 Tremont Building.

BRILLIANT GREEN AND BRONZE

GALAX LEAVES.

For Decorating and all Florists' Designs. CHAS H RICKSECKER, Linvilla, Mitchall Co. N. C.

Do not fail

To send your business card and have your name in the Directory lor 1898.....

American Florist Company, 321 Dearborn St., Chicago.

Palms.

Pandanus Veitchii, Ferns and Araugarias.

IN ANY QUANTITY.

JOHN SCOTT.

Keap Street Greenhouses,

.... BROOKLYN, N. Y.

ROBERT CRAIG Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA, PA.

MAINT AND TO.

SPECIALT

IN BEST VARIETIES.

ROSES, from 3-inch pots. from 3-inon pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.

VIOLETS. Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Cocos

Healthy Growing Plants

Samples for Stamps

Weddeliana...

VIGTOR GARNATION

Wanted for Cash A few 1000 Glovin separate Boston

V. H. HALLOCK & SON, Queens, N.Y.

Bulbous Stock On own Fore order of the control of t

sellers

Ist size Dutch Hyacinths in 18 named varieties \$1 00 per doz

TULIPS Single and Double, Yellow, White, Pink and colored Also

tily of Valley CROCUS in I best colors. Hine Buth Pagsa-in 25c doz , 6-in 35c doz.

Stock packed in sphagnum and will stand 5 days' journey. Cash with order....

H. SCHILLER

897 W. Madison St., - CHICAGO, ILL.

Chester County Carnation Society.

The annual meeting of the Chester County Carnation Society was held January 29 in the office of Wm. Swayne. A hurried look around the houses before the meeting showed carnations in fine condition. Several benches of the seedling Empress are excellent, stems two and a half to three feet long with many flowers of very large size. A bench of Sloane showed a marked contrast in favor of plants potted and kept on benches indoors through the summer over stock grown in the field, the former being more productive and much stronger in stem.

President Styer being absent, the meeting was called to order by vice-president Edward Swayne. The election of offi-cers resulted as follows: President, C. J. cers resulted as follows: President, C. J. Pennock; vice-president, Edward Swayne; secretary, W. R. Shelmire; treasurer, C. S. Swayne. George M. Chandler, J. M. Palmer and N. L. Wilson were elected members. Percy Barnard asked if it was possible to rid a variety of rust in one year. He had seen what he considered a valuable new project, but it was coordinated. valuable new variety, but it was considerably affected with rust. He could keep the stock isolated, but did not care to buy if there was not a good chance of getting rid of the rust in one year. C. S. Swayne said he had cleared one variety of rust in one season. C. J. Pennock advised keeping clear of the disease, as Mr. Barnard did not now have other affected stock. Mr. Shelmire believed, contrary to the generally accepted theory, that a free use of water tended to keep down rust, and knew of two well known growers, one in Massachusetts and one on Long Island, who advocated the same method. Mr. Barnard knew of a grower who claimed that on two adjoining who claimed that on two adjoining benches, where the plants were affected with this disease, only the soil of one bench was watered while in the neighbor-ing one plants and soil were watered, with the result that the latter improved very much over the others.

A discussion on the cutting bench fungus, in which Messrs. Chandler, Shelmire and others took part, was followed by some comment on the American Carnation Society. Mr. Pennock suggested that the low membership roll was probably due in part to the very full reports of the proceedings of the society published in the trade papers, and that sufficient effort had never been made to increase the number of members. The fee for the registra-tion of seedlings was strongly criticised by some members on the ground that it must tend to duplicate names, as many growers believed it to be right to record all names free, and a refusal to pay the fee would tend to place on the market some unrecorded varieties. The matter of certificates was by some members thought to be objectionable as now practiced and that a free exhibition without certificates would be preferable.

Secretary Shelmire exhibited the seedlings Cardinalis, scarlet, three and three-

quarter inches in diameter; Emaline, deep pink, very large. L. Eastburn showed two white seedlings, Anna Eastburn and Mary Baker, with long stems and extra fine blooms.

Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

Oakland, Md. H. WEBER & SONS,

NEW GARNATION

"Mrs.S.A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation. . . .

PRICE: PER 100. \$10.00.



Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 214-inch pots, \$5.00 per 100 *** ROOTED CUTTINGS, \$3.00 per 100; \$25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2½-in. pots, named. \$25 per 1000; unnamed, \$20 per 1000. & ROOTED CUTTING, \$12.50 per 1000. Net cash. & & & & &

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist & & & & &

> As originators and introducers of

"Silver Spray,"

"Tidal Wave,"

"Daybreak,"

and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort. and that we introduce it with even more confidence than we did the others.

It is an extra strong grower. It is free from rust or disease. It is a profuse bloomer.

It has excedingly strong stiff stems.

It is of exquisite form full and double.

The flower is high built. petals serrated.

The calyx does not burst. It is delightfully fragrant (a quality lacking in many new

ones.)

OUR PRICE LIST now ready, contains prices on many other plants.

SEND FOR

W. P. SIMMONS & CO., Geneva, Ohio.

NEW PINK CARNATION

SEEDLING from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most prolific bloomer. It makes in a short time a fine bushy plant, and has the form and habit of what carnation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower creet without tying of any sort. Calyx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. Rooted cuttings ready now. All orders filled in rotation. As the sale of the stock of this Carnations will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

CASH WITH ORDER.

Price, \$2 per doz.: \$10 per 100: \$75 per 1000.

C. BESOLD, MINEOLA, Long Island, N. Y.

MONEY- MAKING CARNATIONS.

Roper's May Whitely

Daybreak Color, Fragrant,

...and Mayor Quincy

Rooted Cuttings ...Ready Now

The Improved Nicholson. Per 100, \$10; per 500, \$35; per 1000, \$50 ...

Tailby's Wellesley

Brilliant Scarlet, Crand Constitution...
Per 100, \$10; per 1000, \$75.

GEO. A. SUTHERLAND.

Selling Agent, 67 Bromfield St., BOSTON, MASS.

When writing mention American Florist.

Carnation and Violet Cuttings.

Auswering "Subscriber," Philadelphia: Carnations are best rooted in a coarse clean sand, in a cool, airy house without bottom heat. Xo doubt they ean be rooted in soil if proper care is given, and such as root will probably make equally good plants. Much more care must be given, however, or many will be lost, and there is nothing to be gained by attempting to root them in soil.

The best time to root violets is in the latter part of February or early in March. The "insects" inclosed were so badly erushed in the mail that they could not be identified.

GUTHRIE, O. T.-Farrow Brothers were nearly wiped out by a hail storm on the night of January 24. They locked the door before the horse was stolen by insuring in the Florists' Hail Association.

BUY YOUR ROOTED

Carnation Cuttings

GROWN FROM EXTRA FINE HEALTHY STOCK.

Alaska	\$ 2.00 per 100 \$15.00 per 100	o.
Triumph) Daybreak Jubilee)	
Armazindy McBurney Flora Hill Mayor Pingree	5 5.00 per 100	

"Best stock" is cheapest. We took most all the carnation prizes at the recent St. Louis show.

SOUTH PARK FLORAL CO.

NEW CASTLE, IND.

Experiences

. . . WITH . . .

CARNATIO

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,

.... LANCASTER, PA.

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Rooted Carnation Cuttings

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Ready Feb. Int.	P	r]1s1
All orders was be filled	Man eatt	41 41
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M. A. Hunt Floral	Allerin	2.147
m. A. Hullt Floral		1.00
Co. Terre Haute, Ind	1	
1.0.	1: + Q n + 6	1.50
P. O. Bor So.	Let be extend	2.191

NEW CARNATION....

Empress

Send for price list of above. New and Standard Sorts....

WM. SWAYNE, Box 226, Kennett Square, Pa.

THE NEW Cerise Queen «««CARNATION

The best dark pink we have seen or grown. Orders booked now. \$10 per hundred.

Mayor Pingree

FINE STOCK

JOHN BREITMEYER & SONS.

DETROIT, MICH.

WANTED Carnation growers to look into the merits of

and be convinced that it is the coming commercial variety of its color. READY MARCH 1st, Price, \$2.00 per dozen: \$10.00 per 100: \$75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums. STOLLERY BROS., Argyle Park, CHICAGO.

Anybody Can Grow & & ienesee

COMMERCIAL

WHITE

Originators: HARMON & BURR, Darien, N. Y.

Carnation For Prices, Circulars, etc., address

DAN'L B. LONG, Sales Agent, BUFFALO, N. Y.

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### CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00 per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Pyche (Hill), Pantied Lady
(Hill), and Mrs. S. A. Northway (Simmons). All good 1897 novelties and other standard varieties at reasonable prices.

### New Chrysanthemums.

MRS, C. II. PEIRCE - Vellow.

3 ic each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN - White.

50c each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS - Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. DORNER & SONS CO. LA FAYETTE, IND.

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. III and Later

Including Morello I form Hill Daybrenk, Win. Scott Lazze Mctaowan Ivory Silver Spray, Enrily Piercon Goldlinch, Eddorado and others. Send no clist of what you want and get prices before you bey. We also have a fine lot of Carmation and Vicert Louisins for sale. Write for prices, white

### CHAS. CHADWICK,

Lock Box II. GRAND RAPIDS, MICH.

It is proud business policy to mention the American Horist when you write to our advertisers.

ROSES. Bridesmaid.....
Brides.....
Perles
La France
Meteors...
Kaiserin \$1.50 per 100, \$12.50 per 1000, Cuttinge.

CARNATIONS.
William Scott.
Nancy Hanks.
Tidel Wave.
Portia.
Lizzie McCowan.
Kchinoor.
Mrs. Thompson
Daybreak.
Emma Wocher \$1.00 per 100. \$7.50 per 1000. Emma Wocner
Meteor
Coldfinch
Lizzie Cilbert
Harrison's White...
Bridesmaid.
Niveo...
Jubilee...
No order for less than 100 of or \$1.50 per 100. \$12.50 per 1000. \$3.00 per 100. \$25.00 per 1000. one variety accepted.

FINE ROSE PLANTS
From 2 ginch puts. Ready February Eth.

REINBERG BROS. 51 Wabash Avenue, CHICAGO.

### 50,000 ROOTED GUTTINGS

CARNATIONS
Daybreak, Rose Queen. \$1.25 per 100, or \$10.00 per 1000;
Retler W. Scott, Thos. Carriedge, \$1.00 per 100, or \$5.50 per 100: Lozzle McGowan, 75e per 100, or \$6.50 per 1000. Har.tson's White, Victor, \$2.00 per 100, or \$15.00 per 1000. ner 1000

per 1000

CHRYSANTHEMUMS
Two-linch pots.

Major Bonnaffon, 33–00 per 100 or \$20,00 per 1000: The Queen, Pluk Ivory, 35–00 per 100, 20,60 per 1000: President Smith Eda Prass, \$2.00 per 100, or \$15.00 per 1000.

WIOLETS
Murle Louise, \$5 (8) per 1000. Bomble Alyssum, 2-inch pots 75c per 100. Cash with order or satisfactory reference.

PAXTON GREENHOUSES, C. E. Taube, Prop.

#### BAKER'S NEW CARNATIONS.

Grown and tested five years.

ONEIDA Pure plak Inactity; no rust; continuous producer; largest size bloom

RED JACKET Bright red, line stem and calyx; continuous cropper. \$110.400 per 100.

Orders booked now to be filled in rotation as fast as rooted.

C. F. BARBIR, Ution, N. Y.

#### Cleveland.

The supply of flowers continues to be rather short, although there is usually enough to go around, but at times, for special occasions, on busy days it takes some hustling to get suitable stock. Car-nations are still somewhat short, but bulb stuff of various kinds tends to help out in emergencies. Harrisii at this writing are rather hard to get, the earlier stocks being about through, and there seems to be a break between them and the later stock. Owing to the very general prevalence of disease in the bulbs and their well known trick of throwing the best and healthiest stems in the earliest batches, it would not be surprising if there were some shortage later in the season. Dutch bulb stuff and valley show great improvement this week over the earlier forcings and are now practically as good as they will be. A few common Tournesols are to be seen, also a few Murillos, but both sorts lack in quality as compared with the early single forcing varieties. Prices continue steady.

There was a very large demand for flowers of the highest grade for the funeral of Mrs. Bingham, which occurred since the last report. Everything used was of the very best and in lavish quantities. American Beauties, cattlevas, violets and valley and similar choice flowers were very much in evidence. The most noticeable feature otherwise was the fact that almost nothing calling for a wire frame was to be seen, the only exception being some wreaths made up entirely in choice flowers artistically arranged.

The bowling club met as usual last Monday evening and had a great time. A game each of ten pins and nine pins was bowled, and some very good scores were made at both games. It should be remembered that Monday evening, February 7, is ladies night.



### Verbena King ONE MILLION

to offer the following season in 55 of the latest and best mammoth named vars.in cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all norts of U.S. and Canada. 66 beep 100; 5500 for \$55; 1000 for \$55; 25 0000 for \$

HELIOTROPES, rooted cuttings, 10 named vars , \$1 00 per 100; \$8.00 per 1000. Express prepaid.

TESTIMONIALS.

C HUMFELD. DEAR SIR: -We wish to thank you for the extra fine Verbena Cuttings received. They were the finest we ever saw; also for the extra count we thank you. Resp'y, TIPTON & HURST. Little Rock. Ark.

C. HUMFELD, DEAR SIR:—Your Verbena Cuttings received this day. They are the finest cuttings I ever received; a credit to any florist; none better.

Yours Resp'y,

GEO. T. SCHUNEMAN,

Blue Point, L. L. N. Y.

CASH PLEASE.

C. HUMFELD, Clay Center, Kan.

# MHMMMOTH

Verbena Seed, 100 Colors, np-to-date, per oz., \$1.00 Coleus, 21<sub>2</sub>-in, pots, 10 best bedders, per 100, 1.00 Send for price list now ready of Carnations, Geraniums, Feverlew, Salvias, Coleus, Cannas, and Gynura or Velvet Plant.

The Morris Floral Go. MORRIS, ILL.

### 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTULATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooled Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

#### ىدىد.VERBENAS بىدىد

The finest collection in America, 35 varieties, every one a gem-mammoth size, striking colors, green as grass and as clean as a whistle. Strong plants, out of 2-inch pots, full of enttings, \$1.50 per hundred; rooted cuttings, 60 cents per hundred, \$5.00 per thousand.

ETRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

### GHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc.
Also a large collection of the best Ostrich
Plume varieties. All \$1.00 per dozen;
\$5.00 per hundred.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass. Mention American Florist.

### GERANIUMS THAT WILL PLEASE YOU

S A. Nutt, Beaute Poitevine, La Favorite, Heteranthe, 21/4-in. pots, per 1000 \$25 00.

Cash with order please

H. R. CARLTON, Willoughby, O.

#### JUST FOR FUN

 ONLY A FEW FIRST CLASS Sanseviera zeylanica, Strong plants 4-inch
 Doz.
 100

 Begonia Rex, variety, large plants, lach pots.
 5.00
 75
 5.00

MCDONALD & STEELE, 109 S. Washington St., Crawfordsville, Ind.

### SOLANUM

The most shows semi-climber of recent introduction. Strong 3-inch plants now ready. Also Little Cem Callas. 2-inches Logan Berries. Straw-berry Raspiberries. Mayberries. Write for list and prices.

The Conard & Jones Co. WEST GROVE.

### VINCA VARIEGATA.

Cash with order please,

GUST. OBERMEYER, Parkersburg. W. Va.

MAMMOTH VERBENAS

Fine selected stock in separate colors, Rooted cuttings, per 100, 75c; per 1000, §6-00.—Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

### 5,000 SMILAX..

From 3-Inch pots, \$1,30 per 100, \$4,00 per 100)
From 3-Inch pots, \$1,30 per 100, \$13.00 per 100)
From 3-Inch pots, \$20 per 100
Cash with the order. Cape May City, N. J.

### TO EXCHANGE

Ivy Geraniums For Carnations

GEO. F. BRABON, - KENT, Portage Co., OHIO.

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Beautiful for "cutting" or pot sale.
Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

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Cold Fields at your door. - CERANIUMS.

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Grown in soil in flats, ready to shift into 3-inch pote, \$15.00 per 1000.

St. A. Nutt. Beaute Pultevine, Mrs. Leg. Hill, Van Dael and Robt, Brett; the same in 23-cinch pots, \$20,00 per 1000.

Standard sorts such as double Grant, Bruanti, La Fayette, La Favortte, Le Pliot, Gloire de France, Hoff Beech, Wonder, Mrs. J. M. Gaar, Jules Ferry Centanean and others, \$12.00 per 1000, in 24-inch pots, \$2.50 per 1000. Mountain of Snow, in 24-inch pots, \$2.50 per 1000. Mountain of Snow, in 24-inch pots, \$2.50 per 1000. Mountain of Snow, in 24-inch pots, \$2.50 per 1000. Mountain of Snow, in 24-inch pots, \$2.50 per 1000. Mountain of Snow, in 24-inch pots, \$2.50 per 1000. Fuchsla, standard sorts, from flats, \$1.50 per 1000. Fuchsla, standard sorts, from flats, \$1.50 per 1000. Fuchsla, standard sorts, from flats, \$1.50 per 1000. Slate of St. Standard Sort, standard sorts, \$1.50 per 1000, \$1.50 per 1000. Slate of St. Standard St. S

J. E. FELTHOUSEN, Schenectady, N. Y.

### AZALEA INDICA

Fine Well-Budded Plants.

All the best varieties, and will make fine plants for Easter blooming. 10 to 12-inch crowns.....\$3.50 per dozen. 13 to 15-inch crawns.....\$5.50 per dozen.

CINERARIAS, 5-inch, bud and bloom \$1.25 per doz.
DOUBLE GOLDEN DWARF MARGUERITE Cuttings.
by mail, \$1.50 per 100.

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1 year old, 12 to 20-inch tops, stocky, \$8,00 per 1000 1 year old, 12 to 15-inch tops, 6,00 per 1000 1 year old, 8 to 12-inch tops, 4.00 per 1000 Cuttings, 6 inches long, tied 200 in bunch \$1.25 per 1000; 25,000 lots, \$1.00 per 1000.

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### Seedlings and Cions

APPLE GRAFTS Of Apple, Cherry, Pear and Plum &

Low Prices. Send List of Wants to

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#### Park Visits Buffalo.

I was in Buffalo last week, and among those whom I had the pleasure of meeting was Daniel B. Long, who said business was very good; Christ, Christensen, formerly one of Buffalo's leading florists, who I found looking very well but suffering from a bad bunion on his left foot; Mrs. Newlands, a sister of Mr. McMillan, former superintendent of Buffalo parks, whose greenhouses always look well, and who has had a very nice trade; voung Mr. Palmer, of W. J. Palmer & Son, Main street, who grow such fine Meteor roses and Daybreak carnations, trade with them being good; Schwert & Berner, the wholesale florists of Forks, who are growing and sending to the Buffalo markets some of the best stuff grown in the neighborhood.

Looked in upon Jos. Roehling & Son, of Gardenville, a suburb of Buffalo; their stock is in first-class shape. I did not see Mr. Wm. Scott until Saturday evening shortly before 1 started home, he being busy at his carnation plantation in the village of Corfu, where he is cutting some dandy earnations. I called on James Milley, of Masten street, his houses and stock were in A1 shape. John G. Pickleman, Jr., of French street, has a good stock of miscellaneous stuff, his lilies are looking fine. I also called on K. A. Kump, Jos. Staillinger, John Spies, Jr.; their stock looks all right and in good shape. I had a word with J. H. Rebstock, the Main street florist, who is always busy; he says while business has been splendid, collections are rather slow; the stock in his greenhouses looks well.

My time was so limited in Buffalo that I had to miss the pleasure of seeing Prof. Cowell, of the Botanic Gardens, and also Jas. Braik, of the park system Park.

Conservatory Notes.

In the furnishing of the conservatory at Washington Park there are a number of Chinese primroses of all varieties, shades and colors now to be had in this popular mid-winter flowering plant. Mr. Kanst has a variety, in color a counterpart of Mrs. McBurney carnations, with flowers nearly three inches in diameter.

There are a number of specimens containing three plants in each pot, the pots being generally of eight inches diameter. The effect is excellent, where strong masses of color are desired at little cost. of these have flower heads ten mehes in

Impatiens Sultani is a very effective house plant at this season, and should be encouraged. A few specimens of Mevenia creeta with Tyrian purple flowers, having golden yellow throats, is just lovely. It is an old plant and none the worse for being so.

As ong winter the vering begonias mani-

### NEW CHRYSANTHEMUMS FOR 1898

Alice F. Carey, Chempwec, Dolores, Min newaska, Miss Glady: Vanderbilt, Robert G. Carey, Spotswood, at \$3.50 per doz.; \$25.00 per 100, ज्यायायायायायाय यायायायायाय यायायाय

cata and manicata aurea are beautiful with their blushful weird-like scapes. A fine display of azaleas are brilliant at this moment—histy plants from eighteen to twenty-four inches in diameter, with bright, clean, healthy foliage. There are about fifteen varieties, all good. Their names are: Dentsche Perle, Flambeau,

Empress of India, Niobe, Mme. Van der Cruyssen, Dr. Moore, Empereur de Brazil, Sig. Rucker, Vervæneana, Mme. de Greve, Rosa Bonheur, Simon Mardner, Bernard Andrea alba, Comte de Chambord, Mme. M. Langenhove. This is not a very extensive list, but it is a really good one for general purposes.

### Chrysanthemum

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First prize among whites wherever exhibited.

The best mid-season white to date and indispensable to every grower whether for exhibition of the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c; per dozen, \$3; per 100, \$20; per 1000, \$150.

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Our 1898 illustrated descriptive catalogue necentally describing all the leading new and old varieties is now in the printers hands and will be sent about Feb. 1st to all who received our 1897 list without application. Send for it, it will interest you.

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Before ordering your Dahila stock be sure and send for my catalogue novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

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A well-known horticulturalist writes: "It seems to me that the bulb industry could be largely transferred to, or at least started in this country if the Department of Agriculture would give an order for such bulbs produced in this country. This would stimulate the efforts of some intelligent growers in localities favorable as to soil and climate. These could be distributed to our common schools throughout the country for planting in school yards, and would have some advantage over seeds because they would come into bloom at a time when schools are usually in session. As an outcome of the distribution of seeds and bulbs in the way proposed, it could be reasonably expected that ultimately the government and local town and district offices would do much to beautify not only school yards but other public grounds and our road sides, as well."

Printer's Boy.—"Say Jimmy, wot's de reason dey call dem big white flowers Harrisii for?"

OFFICE BOY.—"Cause dey grow in Harrisburg, cully."—Fact.

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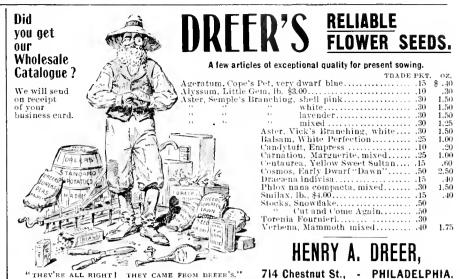
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This is the time to make another sowing of Pansy Seed if your plants have rotted off. & & &

VAUGHAN'S "INTERNATIONAL" <sup>1</sup><sub>8</sub> oz. \$1.50. oz. \$10.00. VAUGHAN'S "GIANT MIXED" ¼ oz. \$1.35. 02. \$5.00.

> These are strains with nine years' record and with a pedigree. We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures. A A A A A A A For other sorts of Pansies see our Book for Florists.

FORGET-ME-NOT, Vaughan's Early and Everbloomer, plant flowers when 8 weeks old. Trade pkt., 20 cts.

Our EARLY LIST of Florists' Flower Seeds ready. "The Best Flower Seeds in America." Ten per cent. Discount on \$2.00 worth and over tor cash with order.

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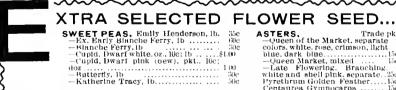
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the pioneer Seed Catalogue of America, is a perfect beauty, the best one we have issued in the forty-nine years of our business. We can honestly say that It leads them all. Those interested in the trade would do well to send for a copy of both wholesale and retail at once.

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ASTERS, Trade pkt. vz.

—Queen of the Market, separate
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List free on application. FRED. ROEMER, Seed Crower, Quedlinburg, Germany.

#### Wilkesbarre, Pa.

The following paragraph appeared in a local daily: "So long as congress retains the free seed swindle, there is no use in calling attention to the purity of American polities." And right here I may be permitted to quote from Mark Twain's latest book, "It could probably be shown by facts and figures." Says the humorist, "That there is no distinctly native American criminal class except congress.

Rather hard on congress, to be sure! But coming back to facts, it will be no exaggeration to assert that the free distribution of seeds is a crime, for the existence of which our honorable lawmakers are solely responsible. "Free distribution of seeds". Fie! The very terms are obnoxious to the independent spirit of the liberty-loving American citizen.

However, it is not my object to call

congress to task.

The two notable events of the season, the annual balls given by the "upper ten" and the Press club, surpassed in their pomp and magnificence anything of the kind ever undertaken before. Mr. 1. G. Marvin attended to the former, and to his credit be it said his artistic decoration elicited complimentary remarks on all That of the Press club was under sides. the direct supervision of florist Humphrey, of Eldridge & Co. Given a carte-blanche order, his magnificent palms and decorative plants transformed the armory hall into a sort of dreamland. Both decorations were executed on a most sumptnous scale.

A new range of houses, fifteen in number, will be added during the coming spring to Mr. Benj. Dorrance's already extensive plant. It is likely that Mr. Dorrance will grow carnations as well as roses, for the New York market. As usual, the houses will be constructed of the best materials and equipped with all the modern appliances.

#### Leaky Gas Mains Damage Greenhouse Stock.

The P. J. Saunders Floral Co., Fiftieth street and Cottage Grove avenue, Chicago, have had a sad experience from gas escaping from leaky street mains. The pipes run about thirty-five feet from the ends of the greenhouse. Twice last season, the first time December, 1896, the second time February, 1897, and again January 20, 1898. The greenhouses became so filled with gas as to be very plainly smelled all over the premises, the result being that there is not a single plant in the greenhouses but what is ruined or nearly so. On each occasion when the damage has occurred the ground surrounding the houses, together with the street, has been covered with snow to the depth of three or more inches. The whole of the ground covered by the greenhouses being warm and porous, the leakage from the pipes finds its way to the warm ground, whence it evapo-rates with most deadly effect.

Gas pipes running near greenhouses have become very dangerous infrosty weather. From actual proof are they not dangerous at all times?

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| BRIDE           |           |     |          | \$22.50 | 1   |
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American Beauties Per 100, \$ 2,50 merican Beauties Per 100, \$ 2,50

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Ramblers, Climb. Malmaison, Climb. White Pet, Climb, Wootton, Pres. Carnot and 100 other leaders in Teas, II. Teas and Climbers.

Send for prices.

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| Roses, Bride and Bridesmaid        |                        | \$3.00  |
| Verbenas. 12 varieties             |                        | 2,00    |
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| Stock ready now. Terms cash or nor | proved refe            | erences |

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Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 21/2-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

H. WEBER & SONS, Oakland, Md.

### Rooted Cuttings...

Am. Beauties, Brides, Maids, V. Kaiserin, Perles, Belle Siebrecht, Meteors. Same in 2-in. pots ready Feb. 15th to 20th, Send 50c for samples and get prices.

GEO. A. KUHL, Pekin, III.
Carnation Cuttings ready Feb. 1st.

New American Rose-

### MRS. ROBERT GARRETT

As one of the syndicate holding stock in this rose we ofter first class plants, from 2%-inch pots, to be delivered on and after March 15, 18%, at the agreed price of \$3.50 per doz., \$25.00 per 100.

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CORNELIUS S. LODER, SECRETARY,

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#### Helpful Reminders.

In arranging your plants in the different houses contrive, so far as possible, to put the different varieties requiring like treatment together; it simplifies matters, particularly if you have employes doing work for you. Chrysanthemums for pot plants and stevia go together and here let me suggest cosmos which also works in to good advantage. Get the seedlings ready to pot when cuttings are struck, and from then give them like treatment; they bloom through fall and winter, filling 8 to 10-inch pots, and supply long stemmed flowers by the thousand. Poinsettias that have been beheaded should now be put close together in a dry situation; under a bench will do.

Those of you who do a retail plant trade should not fail to provide Asparagus verticillatus for a hardy climber; it is a beautiful vine; get seed in at once. It is yet early to pot upcanna roots, but if you are short and wish to grow from seed, lose no time in starting it. Look over your callas now; if they are pot bound give the large pots a top dressing of cow manure and shift the smaller pots. If any part of your violet bed is a failure, throw out that portion of the plants and put in fall grown pansies. If you have not provided any procure them from a pansy specialist at once; they do well in a violet house and a few blooms daily are acceptable.

Insects begin to annoy most gardeners now; just as many plants have made new growth and look encouraging, you find some pest just about to ruin your crop, and you stay awake nights calculating the best method of warfare. The insecticide man attracts your attention, you contribute to his support and then affect a compromise with the insects. Take your share to market, grumble at your returns, and next February start out the same way. For the sake of illustrating a point, I wish to state a fact foreign to the subject

the subject.

If you make a bonfire in the woods, you will have a crop of raspberries on the spot within a year, not because the raspberries are looking around for just such a spot and then locate there, but because birds drop the seeds everywhere, and only when they happen to fall on the ground they like, do they grow. All the other germs or seeds perish. Every florist who purchases stock from various places is sure to have in his houses germs of every kind of insect, and when conditions are just right for any one or more, they multiply frightfully quick. It is therefore something you do, or neglect to do, that causes the demand for insecticides, and February is the month you make the discovery. The whole trouble lies in the improper administration of your water, as compared with nutriment for the roots and temperature; a plant will make rapid growth until it gets a large top of soft leaf, from which evaporation is most rapid. While this is true of the top, the roots are crowding the pot so there is no room to store water for more than immediate use. A bright sun comes out, you get there too late with water, the plant is wilted; the ball is so dry that when you do give it water, it neglects altogether the assimilation of nutriment for the time, and is at once weakened. If this happened but once, it would not be so bad, but as days grow longer, growth is more rapid, you are crowded with work, and it happens several times; then you employ temporary help, and you put this "green-horn" at watering, (insects always know when you have a "green-horn" doing your watering), and they multiply by the thousand. Careful watering is the only preventive of insects. These brief remarks doubtless hit many in a sore spot. Some may take exception to what I have said, particularly those who manufacture insecticides. We should have this matter carefully laid before us by experts who will prepare lantern slides, illustrating the effects on plants of various ways of watering.

various ways of watering.

Now is the time to employ some teamster to procure for you twenty-five or fifty loads of cow manure for future use. Do this every year and keep two years supply ahead; teamsters have little to do now and will charge you less.

If you do any plant business, start at once seedlings of Marguerite carnations for bedding, it is the most satisfactory carnation for summer use that you can set out for a customer. Nice plants will be ready by May if started now. In order to keep up with the procession, you must be ready to supply the growing demand for perennials, if you have not a a stock on hand, save expense by starting seedlings, it will be to your advantage to start a number at once. You can get from your seedsmen most of the varieties required.

Where immediate effects are required, two year roots are necessary, but your seedlings which are left over should be planted in rows properly labeled, and they will be in fine condition for fall trade or the following spring.

C. B. W.

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# Alba Superba

### **CARNATION**

Is the great LENGTH and STRENGTH of Stem, which is plainly seen in cut. \* \* \*



Many of the flower buyers of Phila. call it the "Gardenia Carnation" on account of the beautiful arrangement of its grand white petals which are of great substance and clear white.

PRICE TO THE TRADE: \$10 per 100 & \$60 per 1000

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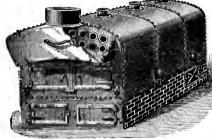
The most severe storm experienced this winter is raging at the time of this writing. It would be a very difficult task to keep glass houses up to the proper temperature in such a storm, but fortunately the houses are all neatly blanketed with snow, keeping out the cold wind and everything is warm and cosy.

Trade has held very steady since last report and we are disposing of all our flowers at remunerative prices; we are getting a good supply of all the regular lines, and plenty of good bulbous stuff is now available. Romans are nearly exhausted, but we are getting good minia-ture hyacinths in pink and white. Pans of hyacinths, narcissus and Keizerskroon tulips are selling well, also azaleas and cyclamens; one pink variety, known as Princess May, is very popular.

Some little time ago, a few growers interested in carnations, took a trip to Rochdale, Mass., to inspect F. A. Blake's seedling carnation Bon Ton, which has created quite a ripple of enthusian among Bastern growers. The siasm among Eastern growers. The party, which included Win. Nicholson, Peter Fisher, C. W. Ward, C. A. Cook, H. F. Littlefield and the scribe, were met at the station by carriages and conveyed to Mr. Blake's residence, arriving, not with malice aforethought, just at the dinner hour—New England time, noon. After partaking of Mr. Blake's hospitality the party adjourned to the greenhouses, were presented to Bon Ton and much pleased with its appearance.

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is a fair sized flower, nicely fringed, not too full, has a slight fragrance, is of a pleasing shade of scarlet, good calyx, and borne on stiff stems of medium length. It is a sturdy grower, needing no staking, with strong characteristic foliage, heavily coated with bloom and had a very healthful appearance. One house, containing some five hundred plants, averaged nine buds and flowers, not counting what had been cut, or leading shoots, a very fair average for middle of December. Bon Ton is not of Mr. Blake's hybridizing, being a prize found in a package of "boughten" seed and supposed to be Portiax Casar. A. H. L.

BENTON HARBOR, MICH.-The Twin City Floral Co. will erect five new greenhouses this coming spring.

WHITINSVILLE, MASS.-It is in the nature of an annual pilgrimage that we go to Whitinsville to see the wonders that seem never to cease there. This time that seem never to cease there. calanthes were a sight never to be torgot-ten, hundreds of spikes; if we told how long they were, it would not be believed, but often three from a bulb. Then there were the giant cologues that have bulbs like hens' eggs for size, and that throw two spikes each, out of deference to the wizard that has them under control. Mention must also be made of the number of seedling orchids, a great many of which were in flower, including some good things among cypripedes, and many more to follow. Mr. McWilliam we were pleased to find hale and hearty; may his smile be spared to us long, that we younger ones may profit still by his long experience so willingly imparted.

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#### What to do Now.

Where a number of plants of various kinds are raised from seed, no time should be lost in making a sowing. This applies to proises for late flowering. Lobelias, petunias, verbenas, centaurea, Cineraria maritimu, asters, stocks, golden pyrethrum, smilax, tuberous begonias and gloxinias. All soil used for sowing seed in should be open and friable, with a goodly mixture of sand. The surface before sowing the seed should be uniformly level, and for very fine seeds quite smooth; all seeds should be firmly pressed in the soil; they should not be covered too deep; such seed as begonias and gloxinias require no covering at all, providing they are pressed evenly with a smooth and level tamper. Such seeds as verbenas, and asters cover from one-eighth to one-fourth inch, and heavy seeds such as smilax, about one-half inch deep. Care should be taken in the watering, especially the first time. It is best to go over several times either with a fine rose watering pot or a rubber sprinkler giving sufficient each time to wet the surface without swilling; do not give so much as to have the whole

body soggy to begin with.

It would be well, where it is possible, to have a place at 55 for stocks, asters and phloxes, etc., and another at 65 for begonias, gloxinias, smilax, etc. All seeds germinate better where no direct light reaches them; a nothern or eastern bench is a good position for them, they will be all the better for being shaded in the bright daylight. Where it is possible seeds should be sown in uniformly deep flats or seed pans; two inches of soil is deep enough for nearly all seeds to start in. Where the surfaces are even it is easier to shade than where there are various deep

pans and boxes used. When the seed begins to germinate among the very smallest, be careful not to expose to draughts or sudden light. It is important, however, that they be brought as close to the light as possible,

without being checked.

It is a good time now to make a sowing of sweet peas in flats, and in a month from now make another sowing. Sow now only such kinds as will flower early. It is best to sow rather thickly and then as soon as the third leaf appears prick them out in flats about two inches apart. The flats need not be deeper than two inches. These plants can be planted out at the latest by the 10th of April and in some localities as early as the middle of March. They bear transplanting as easily and as surely as celery.

It is time all seeds are either on hand,

or the order for them placed. Where seeds, such as sweet peas, pansies, asters, stocks and phloxes are required get them to color, not in mixed packages.

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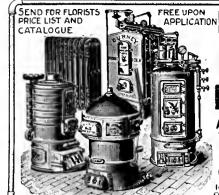
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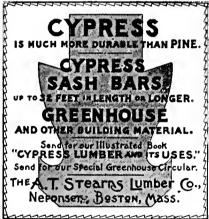
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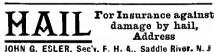
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In my opinion plain everyday Ivory soap is by far the best and safest insectieide I have ever tried, it is cheap, easy to use, within the reach of everyone, and furthermore, is very efficacious, being death instanter to black and greenfly, thrip and red spider. It leaves no disagreeable odor, and I have never found it to injure the most tender foliage of any plant. My most pleasing experiences with it has prompted me to write these few lines. No doubt the manufacturers of insecticides will think I am rather severe on them, but after years of careful trial with the many kinds of insecticides, this is my ultimatum. Many growers will now be troubled with greenfly on their Harrisii lilies, fumigation will exterminate them where it reaches (and there is a question if tobacco smoke hasn't a great deal to do with the tips of the leaves turning brown), but their principal mischief is done in the crown of the bud, where tobacco smoke seldom reaches. I find one application of this soap water sufficient to entirely eradicate them.

For applying it to such plants as these an ordinary rubber plant sprinkler with a crooked neck is used, one bulb full of the solution will go over quite a number of plants, that is where the crowns alone are sprinkled. Any such plants as stock chrysanthemums, etc., that may become infested with fly, thrip, etc., it will be found invaluable as a liquid to dip them in. We use a 5-cent bar of the soap to five gallons of water; it should be shaved up finely and some hot water added at first to make it dissolve quickly. ALPHA.



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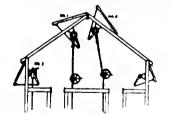
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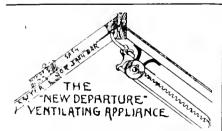


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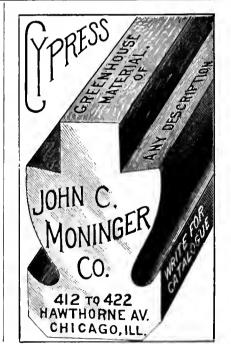
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#### VIOLET CULTURE

Near Washington, D.C.

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No one could ask for a better combination of scientific and commercial work than is seen at the violet houses of Galloway and Dorsett, Garrett Park, D. C. Professor Galloway is chief and Mr. Dorsett is assistant in the Division of Vegetable Physiology and Pathology in the Department of Agriculture. In their work with plant diseases they became convinced that there is only one satisfactory way to do, namely, to live with the plants the year around, and have a stake in their success. They live at Garrett Park, about half an hour's railroad journey from Washington, and began their greenhouse experiments in a small way. Their work with radishes and lettuce is well known to experts and is too important to be neglected by anyone who has not had entire success with these crops. Both these men have a passion for violets, and for three years they have grown nothing else.

Amateurs usually fail in the third year with violets, but Galloway and Dorsett have raised the average yield of their plants from fifty to eighty flowers per plant per season in only three years' work, and there is no reason why they cannot average 100 flowers in every house. However, these men are not amateurs, for they have marketed their product successfully, and have made the investment pay. The work of these two men in the Department of Agriculture is the study of the health and diseases of plants. Yet it must not be supposed that their success in violet culture is due to a technical knowledge of diseases which the commercial florist does not possess. Nothing could be farther from the truth. An ounce of prevention is worth a pound of cure, and their energy in violet culture is directed towards breeding up a lot of pedigree

plants that will resist disease.
"The violet disease" is not any one thing unless it be another name for general neglect. There are dozens of diseases that enfeeble violets, and there are at least eight of them that are widespread enough to be of national importance. It is certain that none of the other staples of commercial floriculture are treated with such general negligence in this country as violets. They are undoubtedly third in commercial importance in America, roses and carnations being probably greater and chrysanthemums less. The three greatest things, at present, in violet culture are selection, selection, selection! Very few florists have any idea of what can be accomplished in three years. Fifty flowers per plant is considered a good average for the season, and most of the florists look upon an average of 100 as commercially impossible, or at least too remote. It pays to pick out a few plants, give them stakes and cards, and keep a record of the number of flowers picked, with the dates. There are the possibilities of a dozen pay-Inere are the possibilities of a dozen paying strains in that one variety, Marie Louise. "Some plants give most of their flowers in the fall and spring, others will yield them pretty steadily each month, while others still will give the greatest number during the winter months, when there is no mass of blooms and prices are high.

The records of Galloway and Dorsett show that there is a wonderful variation in size and general vigor of growth, resistance to disease, number of flowers produced, color of flowers, length of flower stems, etc. A bit of red cloth on a stake is a danger signal. It marks a discased plant, and at the end of the season every one of those plants is thrown away. It pays to propagate from a few pedigree plants. I have never seen an evener lot of plants than the stock these men have worked up in three years. Another lot which came from one of the best violet specialists in America was far better than the general run of florists' stock but was not to be compared with the locally developed stock; 6-inch flower stems are the rule, and 10-inch stems are not infrequent. In short, the wholestory of success is one of special care as against general neglect. At every point there are signs of hard work, and the quantity and quality of the work is that of men who put heart into it as well as brain.

Where will all this specialization end? Shall we have retail stores in our large cities that sell carnations exclusively in their season? and shall we have others that make a specialty of violets? It may seem extravagant and remote, but Mr. Dorsett believes it is logical and nec-

essarv

In making this plea for selection, as the most important feature of violet culture to-day, I shall purposely sayless of greenhouse construction and management, and 1 wish to emphasize the practical nature of the experiments here carried on. While it is true that the work in these glass houses has made considerable additions to knowledge by methods that are beyond anyone but the trained student of technical science, nevertheless the the experiments are chiefly such as every progressive violet culturist can and ought to undertake in his commercial work. The

effects of different depths of soils, the value of benches and beds, methods of drainage, sub-irrigation, continued cropping on the same soil, sterilizing the soil, etc., all these are problems which should be solved locally, for although they are broad questions, the general results are likely to be conflicting in different parts of the country, and it pays to test every general principle. For example, the very same disease (according to these specialists in plant diseases) is often given opposite kinds of treatment in different parts of the country with equal success, and here I would urge this consideration about the use of eyanide against aphides in greenhouses. The florists of the country are afraid of the gas. Possi-bly the very minuteness with which all the directions have been given, only tend to increase their sense of danger in the process both to men and plants. But we should reflect that ten years ago the same slivness was felt about the use of Bordeaux mixture, Paris green and all spraying with poisons. The process is not dangerous to man if the directions are followed. The work is easily done, and the applications may be light at first, if growers are atraid of their plants.

Incidentally, there is practically no "spot" in these houses. It is impossible to find a house anywhere that is absolutely free from it, but I have never seen any houses that had less. Locally, indeed the botrytis has been far more troublesome, this season than the "spot."

I wish that Galloway and Dorsett could be prevailed upon to give every detail of their greenhouse construction and management, for their solution of local problems, if not capable of general application, is full of suggestion. All the plans were drawn by Mr. Dorsett and all the details of construction done with his own hands. They have only 3,000 square feet of glass at present but the business is growing. Frames must go, and plants must be grown the year round in the places where they are to flower. A 16-foot house is plenty wide enough, Mr. Dorsett thinks and he believes in side ventilation as well as top: One of the two may be used for only a few days in the year and side ventilation is expensive, but ideal. Much trouble was experienced from poor circulation until the pipes were all run at the same grade. Contrary to the general opinion, distance from the glass seems here to be a factor of almost no importance. Near the sides the plants are relatively larger, especially in summer, because of the shade, but their mass of foliage is at the expense of flower production.

Only a few details of management can new be hastily noted. The summer buds are serupulously picked off and runners are never allowed until the flower season is over and the plants are actually wanted tor propagation. With plants like these which grow so evenly as to hide the ground it is impossible, even with good centration and the greatest care in watering, to keep the lower leaves dry liceloudy weather they are wet for days, and the healthie toplants cannot be entirely tree from disease in conditions that give a high chance for the germina that give a high chance for the germina that give a high chance for the germination of targ is pures. Submirgation has never or given a torrand thorough trial vet as the place. Violets are bluer in the shade. The hade Campbell is not blue er orgh sea crule for he New York warrest. It reeding esperiments their experience has late, herein that other things nearly equivalence of ferritizer of higher grade.

With this bluntage.

#### Violet Growing.

There are so many ways of growing violets that it seems any one might select one that would suit their circumstances. There is the benching system, either on benches or in solid beds, growing the plants outdoors or in pots, then the planting and growing in beds all summer.

The only way to grow violets is the one where the cost of production does not exceed the price of the product. Bearing this fact in mind, the grower should select such a method as will accomplish this in his locality, his environment and his markets.

Of course failures to accomplish this will sometimes happen, even to the one that has grown violets successfully for many years, and most often does it happen to those that change localities, because the violet has its own individuality in every place, often when the places are not more than a few rods apart.

Any one keeping this fact in mind and having the power of observation will, I am sure, be able to work out for himself a best way to grow violets, for there is more than one right way to grow them successfully.

During this month and from now on our violets bloom most profusely, but also from now on the flowers will commence to grow smaller and lighter in color if the plants are not wellcared for.

The runners commence now to grow freely and are full of flowering buds; if left they will increase the number of flowers considerably, but will in the same dimensions lessen the quality of the flowers. I use the runners for cuttings, to furnish the plants for next year. Our practice is to trim them in suitable form and dibble them in on the edge of the carnation benches, next to the walks, where they will form roots in from two to three weeks and make nice plants by the last of April, ready to plant in the field by the first week in May.

We keep our plants rather wet, and use liquid manure once every week. This manure water is made from cow, horse and chicken droppings; no other material is used. With commercial fertilizer, either in liquid form or applied at the rate of five pounds to 100 square feet, in the culture of violets, we have been very unfortunate, and have discontinued it

Sometime I will tell you how we grow our plants, as we grow them in the field during the summer, and how we grow them in the houses at that time. We practice both ways and have yet to learn wherein one way is better than the other.

CHAPTALOUA.

#### Freesias in Pots.

These bulbous plants are generally cultivated in boxes or flats in the average floral establishment, cutting the flowers for bouquets, and other decorative purposes. This is without doubt the most profitable method of culture, but our illustration shows what can be done with them in another way. Pots of this character find many parchasers, and by judicrous handling in the matter of successive planting, a supply of such pots may be had in bloom from Thanksgiving to Easter It should be remembered that Freesias will not develop flowers much carbor than twelve weeks after they are fairly well rooted, and for this they require a temperature of about 70 , which chould be gradually increased to that mo sumum limit



PAN OF FREESIA

Desirable Flowering Plants for the Holidays.

[Paper read by Juhn Westcott before the Florists' Club of Philadelphia, February 1, 1808.]

I am asked to tell you the desirable flowering plants for the holiday trade. I would sooner have had the subject allotted to one of our leadingcity florists or store-keepers, as they are in closer touch or come in immediate contact with the buyers or flower-loving public, whereas, as most of you know, that I for the past few years have been located outside of the built-up portion of the city, away from the live part of the town, surrounded with the quiet or dead people, and they furnish very little information, keeping what they know to themselves, a dead secret; they do not seem to want or be looking for anything new or special.

How different to the city florists and their customers, they are on the continual hunt for something new. I hope that my hearers to-night are not on the same tack; if they are 1 can tell them in advance that they will be disappointed.

I do not propose telling you of a lot of new or rare plants that might be desirable, but confine my list to those I know can be brought in flower for the holidays, and, if well grown, prove desirable and a benefit to the whole trade, both financially and otherwise.

1 will commence with one of the most popular plants, the azalea, and say that the colored or bright-flowered varieties sell first. Amaryllis, the formossisima, Vallota purpurea and the striped or hybrid varieties of the Vallota type are very pretty and salable. Begonia; several kinds can be grown to advantage. Bougainvillea glabra Sanderiana, make fine specimens if nicely grown and trained. One of the showiest and most effective flowering plants. Bouvardias, in variety. Cyclamen, one of the prettiest and best selling plants. Clerodendron Balfourianum, a pretty plant if nicely grown and trained. Carnations, in variety. Chorozema elegans. Chinese primroses, in pots or pans. Dapline odorata, a very nice old-fashioned plant if well done, can be sold in quantity. Euphorbia pulcherrima, one of the brightest and best sellers for Christmas, very desirable if grown in pans, six or eight short plants ineach. Emphorbia jacquiniflora, same as above, only more plants required to each pan. Erica Mediterranea, Erica Wilmoreana, and a few others, can be had in bloom, and should be grown in moderate quantity. Epacris, for which same rule as above holds good. Geraniums, nicely grown plants in about 6-inch pots have their place. Linum trigymum, a very showy plant when in bloom, with its mass of hight yellow flowers. Libonia, Lilium Harrisii, lily of the valley, calla, narcissus, Roman hyacinths, Primula obeonica are wanted in moderate quantities. Marguerites and stevia, particularly the dwarf and variegated varieties of the latter, are among the best sellers and are used in quantity.

There is a place for some good orchid plants, such as Cypripedium insigne, C. Lawrenceanum, Dendrobium nobile, Cœlogne cristata, a few of the cattleyas and possibly others which I will leave for someone else to name who is better posted than I am.

There is undoubtedly many other flowering plants that have been overlooked by me that could be added with advantage. I think, however, that my list is sufficiently long, and before finishing would like to say that it is far more important how it is grown than what is grown. If each

tion, and are only too glad to get something really fine and pay liberally for the same.

Finally let us resolve, and do our share as growers, towards elevating and encouraging our business, so that whatever we grow and flower will be desirable, not alone for the holidays but at all times. Let our motto be "Onward and Upward," so that our products may prove to be, and that it may be truly said they are, "A thing of beauty and a joy forever."

#### Calanthes.

Deciduous calanthes are placed under the bench in a temperature of about 60° to rest, as soon as the flower spikes have been cut off. They stay there until the young growths begin to appear again, added, the bone having first been allowed to heat and cool off. The pots are filled about two-thirds with potsherds and charcoal, but when seed pans are used, very little drainage is necessary. The compost is put on and pressed down firmly, space for watering being left. Small stakes are inserted to steady the bulbs until the roots take hold. The bulbs are set rather high to prevent the young growths from damping. After a good watering to settle the soil, they are placed in position well up to the glass, and gradually lowered as the growth advances.

Until the first flowers open, the plants should be syringed every bright morning, lightly at first, later on heavier, and this will be about all the water they will need for a time, but when well-rooted they



A HOUSE OF CALANTHES.

grower will grow only what he can do well, and leave the rest to other growers, the trade will be greatly benefited, and any or all of the plants that I have named will be wanted; whereas, if they are poorly grown, or flowered, will be very undesirable for the holiday or any other trade; they will be an injury all around, a loss to the grower, to the storekeeper and a disappointment to the customer.

Let me say, what you do, do it well, whether it be a geranium for the buyer with a moderate amount to invest, or an orchid, or other higher priced plant, for those who have the means and inclina

when they are shaken out of the pots, the roots cut off, the bulbs then placed in shallow boxes or seed paus with a little sand beneath them, and the boxes set on the bench near the light, but shaded from direct sunlight. When the roots appear on the young growths they are ready for potting.

potting.

They do well either in pots or shallow pans, the soil used being turfy loam with the fine soil well shaken out. When well rotted eow manure is obtainable, a little of it may be mixed with the soil, but leaf soil is preferable to green or rank manure, and a little fine bone and sand may be

take up water freely, and on no account must they be allowed to suffer for it. When the young growths commence to form bulbs, weak liquid manure should be given, once or twice a week for the first few weeks, then every time they are watered until the first flowers open, when the plants should be kept moist with clear water as long as the foliage stays green. Some of the plants will have leaves on when the flower spikes are ready to cut, if care is taken not to expose them to the bright rays of the sun, and it is desirable that they hold the foliage as long as possible, which will give larger

bulbs and consequently stronger flower spikes for the coming year. From strong bulbs we get two, three and even four spikes, and four spikes means sometimes over one hundred flowers to the bulb, but I notice that when a bulb goes to extremes in flowering it starts weak the following spring.

Calanthes require a warm house; the temperature should not fall below 65 at night and 70° is preferable from the time the bulbs are potted until half the flowers are open. After this time they will require little water, and will do in a lower temperature. To keep the bulbs healthy, do not store them where the temperature falls below 50, nor over the heating

pipes, where they will dry up.

The accompanying photograph was taken the day before Christmas and shows only a small part of the calanthes that were in bloom here on that day.

GEORGE McWilliam.

#### Sweet Peas Still in the Ascendant.

Twenty-five novelties in sweet peas for 1898! So the list stands, with several counties to hear from. Personally I am not responsible for any additions to the list, not but what there are varieties of merit among them, but because it is unfortunate to swell the list at such a

wholesale rate.

Mr. Eckford puts out seven, W. Atlee Burpee & Co. nine, Peter Henderson & Co. one; S. T. Walker, of Forest Grove, Ore., issues his first catalogue as a sweet pea specialist, and names seven that he thinks worthy of a place. Mr. Sam Hamilton gave the names to the two best on Mr. Walker's list. I suppose the Sunset Seed Co. will offer a very fine dark, satiny, indigo blue novelty, which they sent out for trial last year. Vaughan offers the three varieties of which Mr. Lynch let a little trial stock go last year, and which having been on my catalogue were counted in as 1897 novelties. And I understand that Vick puts out another double variety.

I have decided not to issue a list for 1898, although as an easy way to answer inquiries, I have had the novelty list printed. My wish is to fall back into the ranks of impartial critics. I cannot say, as one sweet pea enthusiast said to me to-day, that he was disappointed in the entire novelty list for this year. It does not present as much originality of color as Thoped. But we must remember that we are now at a stage where we have had some colors only in name and are getting nearer and nearer to the genuine thing. Mr. Eckford claims on the strength of a first-class certificate to have now a bright orange variety. We have had orange rose, orange pink and orange salmon, but now there seems to be an advance in purity of color in this line. One of the finest sorts Mr. Eckford ever offered was Her Majesty, and this year he puts out a new bright rose selt, which I shall one a new origin rose sen, which T shall expect to so is an advance on that grand sort. Who if I was at Wen he had the dark marseal color of Stanley carried up to greatly improved size, and now he

arers his latest stark on that color. I the ight at one time that it one should go to Englandard see Mr. Lektord's work he could report with a good degree of acen has not the description of his novelties, has although I tool notes on the spot describing each of last very sist, not one desiring each of last we reset, not one of them seen to tall wo can here with my description. It was settings to have the Sun et Seed C.—par One in actional down as a chiral see postulation that hould be rejected. It can alread at the finest thing in the whole etc. It consubmidant hould see in Loyd and Loyd and here are in heream.

primrose showing in its substance its black seed origin, and not betraving with any noticeable effect the latent fawn color that our climate seems to bring out. I am told that it broke here, as Countess of Aberdeen did the year before. Then I was enthusiastic about the new red of Salopian, inclining decidedly towards dark cherry. But much of it has seemed almost identical with Mars in this coun-

try.

I don't want to be cynical about these things, for I know that Mr. Eckford's work is grand. I would like to go in among his advance seedlings and get an ounce of true seed of about three firstclass novelties each year and take that seed direct to California, and then add on the same number of the finest selections from American seedlings. Six real good novelties a year would excite our enthu-

siasm sufficiently.

But there is another side to this matter. The ruinous under cut in contract prices has forced our best growers to some kind of protection. They have found a little relief in novelty stock. In all fairness they are entitled to it. If I know that a certain grower will take special pains with an improved strain of some old popular sort, and that he will father that improved strain, and feel a special obligation to hold it up in quality, I am willing he should rename it, and get some just compensation for his work on it. He could get nothing for growing the old deteriorated stock. Butterfly was But-terfly till it run out. Now it is better than ever as Maid of Honor, and when that deteriorates they can call it Maid of Orleans if they want to, just so they give us back good stock of that dear old blue edged sweet pea. There never was any sense in calling it Butterfly, anyhow.

Mr. Eckford's advance set stands as follows: Prince of Wales, award of merit, R. H. S., a bright rose self of intense color; Lady Mary Currie, award of merit, R. H. S., and four first-class certificates, a deep orange pink, delicately shaded rosy lilac; Chancellor, four firstclass certificates, standards bright orange, wings bright orange pink; Colonist, two first-class certificates, soft lilac, overlaid with brightest rose; Duchess of Sutherland, a pearl white, delicately suffused with light pink; Duke of Sutherland, firstclass certificate, deep claret, wings bright indigo blue, the whole flower becoming bright indigo blue with age; Black Knight, a deep maroon self.

The Burpee novelties are sure to give satisfaction in respect to germinating, quality, and abundant bloom. The set this year gives us some germine seedlings from the original crossing, done by C. C. Morse & Co. The stock sent out last year under the name of Burpee's American seedlings really gave us our first taste of Morse's hybrid stock, and now we shall have many fine things from it. Once get the secret of crossing Ecktord's finest sorts and the product is a break into an unlimited field of new sorts. Our California growers, and especially Morse, are just getting into this rich field. And it is no casy question how to introduce this array of novelties. I have been in the sweet pea business for the fun of it, but I do not recommend this as a criterion for other folks. I can see honest, straight worl behind every one of the twenty five novelties this year, not one of them being as much of a fraud as my Columbia sound to have been last year. The Burpec set will limdle enthusiasm for their splendid grandiflora size and firstly liabit, as well as their novelty in color. The facest of all is Stella Morse, it's best guar-

antee being that the name has been held in reserve for several years till a variety worthy of this favorite daughter and sister could be produced. It is a beautiful novelty, a rich creamy buff, the edge deepening into rose pink. I do not think that any one of the set will be disappoint-

A word about Pink Cupid. Its blushing cheeks are not due to any embarrassment it feels over the misfortune of White Cupid. It is a little cherub. I had no trouble with it. It germinates and blossoms perfectly and takes kindly to pot

I am glad to see Lynch's Bride and Emily Lynch well spoken of. The former is such a fine white, and its germinating quality is so perfect that it ought to be generally tried. I could not pick out from it quite such large blossoms as Blanche Burpee showed, but it made up in quantity. And for a rich, warm effect I commend the Emily Lynch. It is really a a remarkable introduction. Mr. Lynch has two or three more ready. Then Golden Gleam is a grand strain of Mrs. Eckford. It is a pity the stock is not more plenty, for we wantitin our shows. Walker's Coronet was a thing of merit, coming the nearest to an orange stripe. It's short stems were a defect. He is working on a Flambeau mixture, and the best things in it are some grandiflora stripes of ox blood red. I wish to commend his work now that I have no further business connection with him. For seven years I have watched his conscientious work, and if sweet peas have any future he deserves a show in the rewards. l'eter Henderson & Co. have secured a novelty called Minnehaha from him, a fine selection from his Flambeau hybrids. The prospect for 1898 is bright. reports indicate that the sweet peashows will be more of a feature than ever.

W. T. HUTCHINS.

#### Phormium Tenax.

In our endeavors to obtain a greater variety of plants for sub-tropical and other planting, we have had occasion to



PHORMIUM TENAX IN B-INCH POT

prepare quite a stock of Phormium tenax. The type is principally used as the variegated forms do not do so well here. For certain combinations and in places

where it can have plenty of moisture, it is a very valuable plant; having a very

distinct and unusual character all its own. I call attention to it now because the present is a good time to begin its propagation. We think that much better results can be obtained by raising from seed than by division. Seed sown now and grown on rapidly will make nice plants for the spring of next year. The seedlings may be either planted out or grown on in pots, giving a good rich

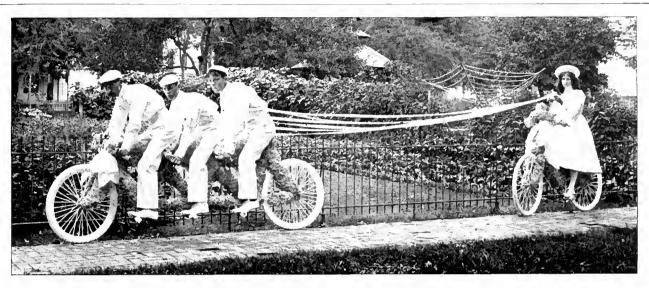
as they require it, never letting them become hard or pot bound. Do not give them too rich a soil, as this is apt to induce a rapid, soft growth, and cause them to become drawn.

them to become drawn.

There is an old saying that necessity knows no law, and nowhere does this apply more than in a greenhouse, especially in those places where attention is given to a general assortment of spring

that are only twelve inches apart. I never was very good at mathematics, but it seems to me that as close as Mr. Siebrecht advocates planting the pips, he could have room for over 250,000.

We must not compare the labor of this country with that of Europe, for here we do things very different from what they do over there where they do most of their work by hand, while here the horse is



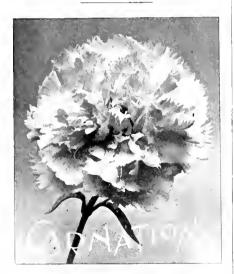
FLOWER FESTIVAL DISPLAY TRIPLET TRIMMED WITH WHITE ASTERS AND IMMORTELLES.

compost, and plenty of water after the plants have "taken hold." By reference to the photograph, of a plant in a 6-inch pot, a year and a half old, one can see about what can be done under rather cool treatment.

The plant shown is about three and a half feet in height, and as will be evident, well furnished.

If one can afford room in a warm house they can be grown better. Where partial shade can be had and an even moisture maintained, the purple form is beautiful, as also are some of the variegated ones, but I fear it is not possible to get them from seed.

JOHN F. COWELL.



Carnation Notes.

If it is the intention to try growing earnations under glass during summer, the young plants should be potted into 2-inch pots to start with, which is a better way than planting them in the benches or in flats, and they need to be potted on

and bedding plants, which at this time will be pressing hard for room, and as a rule the carnations have to make way for them. Now, if there is any call for carnation plants in pots in the spring, those taken from the benches can be made to fill the bill if we go about it right. They should be potted up in not too large pots, 6-inch is a nice size, given a good watering and placed in a shady location for a few days, where they will soon begin to make fresh roots and stiffen up and can then be brought to the light gradually, when they should be eleaned of all decayed leaves and staked and made as presentable as possible. After they are well rooted, and can stand the sun without wilting, an occasional watering of weak liquid manure will benefit them greatly.

We are getting along in the season now and the sun is growing stronger every day. In the middle of the day the temperature will rise very rapidly, giving our troublesome enemy the red spider every show to get in his work, and as it is too early to syringe, a sharp look-out should be kept, checking the inseet by ample ventilation, for if this pest once gets a foot-hold, especially on such varieties as Daybreak and Jubilee, it will be a hard matter to get rid of it. The plants will also be taking up more water now and should never be allowed to get on the dry side, except during a prolonged period of warm, cloudy weather. If they are allowed to get too dry during bright weather the blooms will soon commence to diminish in size.

C. W. Johnson.

#### Lily of the Valley Culture.

ED. AM. FLORIST:—Referring to the article on lily of the valley culture on page 402 of your issue of November 27, I would like to ask Mr. Siebrecht why he would prepare one acre of ground for planting 50,000 pips when he advises planting them one inch apart in rows

utilized to save many dollars in labor. If in the culture of valley every sixth row is skipped in planting; a farm implement now in use on my place would save about three-fourths of the hand labor so far as hoeing is concerned. Then why should the planting all be done by hand, when a skillful plowman ean mark out a row as straight as a man with a line and a spade? Then again, it is a very simple matter to use the plow to cover the pips after they are set, which of course must be done by hand. Then why use a fork to dig them when a small sub-soil plow will lift the pips so that the matter of digging is greatly simplified? I merely mention these few facts in the use of tools to show the florist that what has been considered a great drawback to the cul-ture of valley is merely imaginary and from a lack of knowledge as to how much labor can be saved by the use of many farm implements at hand at the present time, and which are wholly unknown in Europe. There is no question about growing valley here for as Mr. Siebrecht states, it is done, and done well, and it can be done better than in Europe, for the simple reason that as Mr. S. states the pips can be handled without being kept out of the ground for so long a period as when they are imported.

As I stated at Providence last August it is only a question of a few years when the American florist will realize that he is sending to Europe and other lands for goods that can be grown better here and to a profit. Every dollar which we send out of this country for goods which can be produced here is a dollar (or nearly a dollar) lost to this country, for it the principal cost, and if we can save that dollar to the laboring people here, this country is so much the gainer, and every penny that we can keep here, is spent here and tends to make the trade at large so much the greater.

CHARLES H. ALLEN.

#### Elmira, N. Y.

The Elmira Horticultural Society has been organized with the following officers: President, Rev. E. M. Mills; vice-president, H. N. Hoffman; secretary, E. A. Higgins, treasurer, Mrs. A. F. Eastman, Grove P. Rawson is chairman of the committee on exhibitions and premium lists. Mr. Rawson's long and varied experience in such matters makes him pre-eminently the man to head the committee. Wonder what system of judging will be adopted.

#### Plan for a Greenhouse.

Having recently purchased a valuable site for greenhouse plant, on our main street, and wishing to use every space to best possible advantage, will some one competent kindly give me a plan, suitable for a florist's establishment for town of 6,000 inhabitants, where one, of course, is expected to grow a little of everything? At all events would like to grow a few roses, carnations, violets and chrysanthenums for winter blooming; and let-thee, celery, tomato, house and bedding plants for spring. I enclose sketch of plan; on the lot is a house and store combined, with a good cellar under the entire building. Would you heat with hot water or steam? As the lot is within fire by-laws limit, will not be allowed to use wooden walls. Subscriber.

The drawing shows the lot to be 66x134, with streets along the south and west sides. The house is at the southwest corner of the lot, and a drive is desired along the north and east sides.

have its south wall 10 feet high and the north 7½ feet, and house No. 7 can have its walls 7½ and 5 feet respectively.

The above number of houses may be more than the business will demand at first, but as arranged any number may be built at first and others added as needed.

Either steam or hot water can be used for heating and will give good results. The former will cost less to put in, but to secure as regular heat will require rather more attention.

If the boiler is to be under the potting room it would be well to have the walls of that part of brick and the roof of iron. On the east and south sides there should be two feet of glass below the plates, and the remainder of the wall can be of brick. grout, or wood covered with corrugated L R TAFT iron

#### Stop and Think.

Reports from most of the wholesale cut flower markets have not been very favorable this season. Week after week there appears to have been a surplus of stock in most of the large flower growing centers. This is the natural consequence of building more houses year after year without any thought as to where the purchasers for this tremendous output are to be found.

What shall you do this year? Shall you stop building and wait until the demand approaches somewhere near the supply, or will you go ahead and put up another block, hoping the market will be better or that your neighbor will cease erecting houses for the time being?

Is it not time for some of us to consider

134 Feet North. Drive 12 Feet Wide. 6. 7. Drive & Feet 5 2 3. 1 Store Street.

PLAN FOR A GREENHOUSE.

This leaves for the greenhouses a space 54x104 While other combinations right a used, tiding everything into onsider from we recommend the follows ig arrangement which will occupy all of the space coept in alles four feet wide between the hear es and the dwelling

between the houses and the dwelling?

The even see, houses 20x47, running north and soo the with a head house 7x100. House food from he connected at the ton and can be used as a show and pale to an afficuse 2 to 5 cm be errorsed for to the cone involvence of the crops not of the crops of

well the question of supply and demand before investing more of our capital and wearying our brains to increase this supply for which there is little demand? seems to have become second nature with the growers after a prosperous year to spend the profits in mereasing their plant, or as a Philadelphian once said It all goes into sash," and of late years this habit seems to have grown on them to such an extent that they enlarge the place whether they have just gone through a prosperous year or not.

Lor some time the grower who has made money has either had exceptionally tine cops or handled scane specialty. has not been the state of the market that has enabled him to secure a fair recompense backs work and outlay, then why should be more set the size of his place

unless he can be sure of a continuation of extra good crops or get hold of some other taking specialty that his competitors are not growing, and you have got to take something new to your market pretty often to make much money in the line of special things, for as sure as you allow time enough for others to have caught the idea and propagate the stock your profits will get beautifully less and soon disappear entirely, as with the great amount of surplus glass there is at present, the temptation to get into anything that has shown a profit for some one else is sufficient to swamp the market by overproduction.

Of course this whole question is one for each individual to settle for himself and everyone will do as he thinks best for his own interest, but if this great increase goes on much longer in the same proportion it has been doing for the last six or eight years, it will make serious times for our trade.

It has been asserted that the cheapness of flowers will popularize them, and this is true so far as it goes, but if to make them popular they must get so cheap that the producer goes to the wall, it will be something the average florist will fail to appreciate.

We cannot expect to have our good years through any such influence as is benefiting the wheat grower at the present time, the failure of the flower crops in Europe or the Argentine will not send up the price of flowers or give us a chance to get rid of the surplus and so pay off the mortgage. We must look to ourselves to either increase the demand or stop adding to an already overabundant supply.

Would it not be better and pay more to try and improve the quality of our output rather than build more houses and so keep on piling up stock which can find an outlet only through the fakir or rubbish

It will seem to many that these views are pessimistic and the result of business disappointments, but the writer assures you that no one will be more pleased than he, to find that all this talk of overproduction, poor demand, and low prices continuing is a dream, and wake up to find that everything is lovely, and if there has been any dullness in our trade it was caused by the tariff legislation, too much talk about free coinage of silver, the attempts of the banks to corner gold, or the wilful neglect of the government in not having already amexed 11. HAWAII.

#### New York.

OVERSTOCK OF FLOWERS BRINGS ABOUT A STAGNATION ONCE MORE, -INTERESTING MEETING AND EXHIBITION OF FARMERS' CLUB.-FIRE AT LEACH BROS. -ENTER-TMNMENT FOR FLORISTS' CLUB'S FEB-RUNRY MEETING. -INTERESTING LOCAL THEMS.

Business in the wholesale district is unsatisfactory again. That the recent brief period of activity was not based upon any permanently healthy condition was apparent as soon as good blooming weather set in. The sun came out strong and with it came a resumption of heavy shipments which put an end to the stringency without any further ceremony. Stock in all lines is of the finest quality, but there is far more than the stores can possibly assimilate. Weather favorable for the street sellers is now hoped for, as then the surplus will at least be taken care of although at low prices. Naturally, bulbous stock is at the bottom of the list at present. \$12.50 a 1000 for lily of the valley is an actual quotation to-day. Roman hyacinths and freesias have got past their best season and what comes in now is of very poor quality. Tulips and Von Sions are improving all around. Keizerskroon tulips which Ford Bros. are receiving daily are unprecedentedly good for the season and are well worth a much better price than buyers can be induced to pay for them.

At the monthly meeting of the Farmers' Club of the American Institute, held February 9, Edwin Hoyt talked on "Pruning Trees and Shrubs" in the afternoon, and C. H. Atkins gave an illustrated lecture on "Mimicry and Fertilization of Orchids" in the evening, which was very entertaining. A fine exhibition of orchids was made by Max Nathan, C. G. Roebling, H. McKay Twombly, Lager & Hurrell, John Scott, New York Botanic garden, Siebrecht & Son and Julius Roehrs. William Turner contributed earnations, violets and American Beauty roses.

On Tuesday evening, February 1, at 10:30 p. m. a fire broke out in the end of one of the greenhouses of J. & R. Leach, Garfield avenue, Jersey City, and but for the timely alarm given by the watchman of a nearby hose factory, the result might have been very serious. Cause: woodwork in too close contact with the brick covering of a pipe boiler. Loss by burnt woodwork and broken glass probably \$75; loss in stock by smoke probably \$200. At the time of the fire the thermometer indicated 15° above zero. The house is 100 feet long and has an incline of four to five feet, and it was curious to note that the damage done to the plants in the lower end where the fire occurred was slight, whereas, at the upper, or far end, the destruction was very complete. house was filled with carnations and spring stock.

The special attraction at the next meeting of the Florists' Club which takes place on Monday evening, February 14, will be a talk on "Bulb Growing in Holand" and "Plant Life in Jamaica" by Mr. John K. M. L. Farquhar of Boston. The lecture will be illustrated by a large number of stereopticon pictures and will be very entertaining. Together with the exhibition which will be made, it will afford an attraction which should bring

out a large audience.

S. C. Nash has returned from Florida with a fine complexion and a graphic account of the terrible railroad accident in which he participated on his return trip.

Julius Lang had the misfortune to injure his ankle while stepping from a street ear, and is confined to his home for of the present in consequence.

Abrams' team ran away on Monday morning and when finally brought to a stop the wagon was a complete wreck.

Mrs. Warendorff is about to open a new flower store at the corner of Fifty-ninth street and Madison avenue.

Several of the Thirtieth street wholesalers have their windows filled with

azaleas in bloom.
Visiting New York: Chas. H. Fleming, Bridgeport, Conn.

#### Philadelphia.

THE LILY DISEASE.—COBWEBS IN FLORISTS'
WINDOWS.—TRADE GOOD.—PRICES REMUNERATIVE.—YIOLETS PLENTIFUL.—
DAFFYS DOWN.—TEN PIN NOTES.

For the past week the lily disease has been the principal topic of discussion when growers meet. All agree that something must be done to insure a better percentage of healthy stock, or else but few men will care to engage in such a precarious business. Notwithstanding the statements that are made regarding the stock from Japan, that they are absolutely free from disease, there is not a single lot out of a number of consignments received almost direct from there but what show traces of the malady, some plants being affected even unto death. The percentage of diseased stock, however, is not at all serious, and would probably not be noticed but for the more serious trouble among their Bernauda cousins.

The weather for the past few days has been that of the early balmy days of spring, which, together with the quantities of daffys, tulips and hyacinths about, makes one almost believe spring is here.

Cobwebs are hardly considered appropriate decorations for the florists' windows; the rafters in the cellar may be covered without comment, but the show windows, that reflect in so many cases the bright ideas of the proprietor or his elever artists, are generally free of such impediments. Pennock Brothers have a grand window, some sixteen feet long and six deep; this without any discredit to them has been for the past two weeks fairly littered with cobwebs They were of the ornamental kind, however, and attracted considerable attention from the passing public. One week a large one took up the entire front of the window; it was made of baby cattleya ribbon, and in small bottles at the intersection of the threads there was placed one or two eattleyas. About 100 blooms were used. This week there are five webs in all, covering the side of the window as well as the front. These are decorated with daffys, double and single, and Campernelles.

Trade in our city is in keeping with the reports from other trade centers, good. Florists generally are busy, and all fine stock finds ready sale at presumably remunerative prices, as when a man gets what he asks for his goods he ought to be satisfied.

Prices are about the same as last week. Stock is a trifle more plentiful, but seems to be all used up. The rose most in demand is the Bridesmaid, after that the Beauty, and then the Bride. Perles scarcely sell at all.

Violets are plentiful, the large single varieties are now coming in in large quantities; the Princess of Wales is finest, followed by Luxonne and California.

Daffodils are down to \$4; tulips, \$3 to \$4; white hyacinths scarce at \$3 to \$4; valley plentiful at same price, bunches of two dozen have been sold by the fakirs at 25 cents, they were from the week before, and had a decided yellow cast.

Carnations are active at from \$1.50 to \$2, the former being the ruling price, a few fancies bring \$3. There is plenty of blooming stock in pots to be found in the stores and doubtless from now on until Easter (April 10), the assortment will increase.

Messrs. H. A. Dreer's obliging representative, Mr. Ruppert, spends Monday and Tuesday of each week in this city, attending to the wants of the retail trade particularly; the megaphone he carries is not used to proclaim loudly the merits of the stock he sells, but conceals generally a fine specimen of a palm, which when released speaks for itself, Mr. R. standing ready with pencil in hand in the meantime. Nothing the matter with Ruppert; "he's all right," and the same may be said of his stock.

When it comes to playing ten pins the commission men are regular fields. Messrs. Smith, Dumont and Moss had a three cornered fight for the medal of the

third class last month. The ambition moved them all up, and now they will have to meet second class men and work harder than ever for medal honors. K.

#### Dahlia Notes.

THE DAILLIA IN MID-WINTER.

If the roots were packed firmly in dry earth no attention will be necessary until they are required for use in the spring. If they have been exposed to the air in the place of storage, a careful inspection at this season is desirable and profitable. Those thus exposed will often be found considerably affected by decay. A gathering of white mold about the tubers is a sure sign of it. A judicious use of a strong sharp knile will remedy most of the trouble and often prevent serious loss. If the decay is located in the lower portion of the tuber, it may be stopped by simply cutting away the affected part. Sometimes the heart of the tuber will be found affected also. In this case the heart may be cut out leaving the tuber in the form of a hollow shell. Ordinarily the cut will dry over and show no farther sign of rot. If a tuber is in a complete state of decay, remove it close to its point of union with the bunch. If the seat of decay is located in the upper portion of the clump, if seasonably examined, the stalks only will be found affected and the removal of the decaying stalk down as far as the trouble extends, into the very heart of the elump if necessary, will do away with all danger.

Great care must be taken in the latter operation not to remove any of the healthy tissue, particularly on the outside. At and near the points of union of the roots with the foot of the stalk are located the dormant buds from which the new growth is made and these must not be injured. An inch or two, more or less, removed at the lower end of the tuber matters little; an eighth of an inch or less removed at the upper extremity may render it worthless. Often decay will extend to the bottom of the stalk so that after it is removed, the roots will simply be attached by their crowns to a hollow shell, but so long as the buds on the external surface remain unharmed all is well. If the trouble has extended to the necks of the tubers, nothing can be done except to add them to your cow's ration if you possess one. Before rejecting an entire clump, however, careful examination should be made of every tuber as one or two may often be found which are all

right.

This is the season also to begin the work of propagation by cuttings if one needs to multiply a variety more rapidly than can be done by division of the roots. The roots are started into growth in a temperature of 65° or 70° and when the shoots have made the third set of leaves they can be removed a short distance above the tuber. With a sharp knife the stalk is cut off just below the first joint, the first pair of leaves are cut away near the joint and the cutting is plunged into sand up to the second joint, care being taken to press the sand firmly against it. In about two weeks roots will have begun to form, and the cutting should then be potted off. After the young plant has become thoroughly established it should have abundance of light but the temperature should be very moderate, not exceeding that mentioned above in order that the growth may be stocky with short joints. From the pots the plants can be transferred directly to the open ground in planting season or delivered to customers. H. F. Burt

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Address THE AMERICAN FLORIST CO., Chicago.

#### The Carnation Society Convention.

The croakers are beginning to let their dulect tones be heard in the land, although spring is not yet here. The "Ananias Society" has gotten its prevaricating committee in good working order. The "Loyal Legion of Has Beens" are cheerfully piping. "Don't go! Don't go! Every man attending the convention is just alive with rust spores, and you'll catch lem sure."

And the "most unkindest cut of all" comes from Boston! Ve gods and Boston httle fishes! Cultured Boston! Classic Boston! Calm, staid, eminently-satisfied-with-itself Boston, pronounces these bitter words, "Rooted Cutting Society." In the words of the immortal Mulvaney, "I take shame of ve, binah Shad."

The story, in brief, seems to be simply this: In Boston, besides the little paper which is making the fuss, is a trade exhibition—and a few other things. It has always been supposed that the trade exhibition and the other things were appendages of the paper. It now transpires that the paper is a tail attacked to, and wagged by the trade exhibition body. It wags to this tune, "Don't go to the Carnation Society Convention; don't send your flowers to ot a exhibition and let us meaning the trade exhibition and let us meaning the trade exhibition-trade-paper combination) get a little rake-off on the side." The latter part of the tune is of course inaudible.

All this leads to the asking of a few questions. Why is it that all the brightest, and most successful men in the trade would as soon think of not preparing a compost heap for next season as of missing the convention? Why is it that the raisers of seedlings are so eager to exhibit their new productions there, and so anxious to get the society's certificates? Why are they so disappointed when they don't get them? Why is each exhibition of the Carnation Society the grandest display of forcing varieties of carnations be seen anywhere, or in any land? What are all these vilities of trade organiz ation doing to help the trade? What ore the offering better in place of what

The Ameier v. Fromse urges each and ever, one of its renders retail, wholesale, grower, or dozen in carnations, to go one activities your head out, and get clear out act a peach of a certain and the other relies to the dozen of the activities who dozen all and then tall. You talk the other is located as the cell and out the activities of the cell and the other relies to the dozen of the activities of the dozen that the other activities are the following the activities of the cell and the cell a

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#### New Carnations.

Mr. Henry A. Niemeyer, Erie, Pa., has favored us with a box of his new seedling carnations. They stood the journey nicely which speaks well for their keeping qualities. Among them were Snow Queen, a very pretty white, Pluto, crimson, Uncle Sam, white striped with pink, and Rob Roy, light red. We hope Mr. Niemeyer will show a goodly bunch of each at the convention in Chicago.

#### Carnation Empress.

Mr. Wm. Swayne, Kennett Square, Pa., sends a box of his new carnation Empress, stating that a part of the blooms had been cut a week before shipment. We could see no difference in the condition of the flowers except that those cut a week carlier were larger. The flower is a deep, rich crimson, very large, fringed, good form, good calvx, fragrant, and borne on a stiff stem thirty inches long. Mr. Swayne is on the right track. There is no longer any room for weak stemmed carnations.

#### Mr. Herr's Report on Carnations.

The second edition of Mr. Herr's valuable notes on carnations is just received. It is sent free on application, and should be in the hands of every one.

The places Flora Hill at the head of the whites, Lizzie McGowan a good second. We infer that he considers Harrison's White and Nivea as failures. He speaks well of the new candidates, Alba Superba, White Cloud, John Young and Evelina

White Cloud, John Young and Evelina.

In pink Triumph leads, Victor second, Emma Wocher third on the list on account of not being so large as the others. Abundance he thinks only suitable for pot plants. The new ones, Mrs. James Dean, Frances Joost, New York, Argyle and Mrs. Thos. W. Lawson are all favorably spoken of. Jubilee is the best searlet among tested varieties, with Bon Ton and Fire Fly showing good points.

Among yellows, Eldorado though rusty is recommended, also Mayor Pingree. He urges trial of the new one—Gold Nugget. Tago is the only older crimson recommended. Empress is stated to be the finest thing Mr. Herr has seen in a carnation. Helen Keller is not recommended. Armazindy and Mrs. Bradt he says are good commercial sorts.

He does not like the color of Mrs. McBurney, but admits that his "taste may be perverted." Thos. Cartledge is strongly recommended.

#### Cut Flower Price Lists Received.

W. A. McFadden, Cincinnati; Bassett & Washburn, Chicago; W. F. Kasting, Buffalo, C. A. Kuchn, St. Louis; H. L. Sunderbruch Co., Cincinnati.

#### Spiraea Anthony Waterer for Easter.

Lo AM. Fromst — Should Spiraea Anthony Waterer, when it is wanted for Easter blooming, be planted out during summer and litted and potted in fall?

Spin.ca. Anthony Waterer may be planted out all summer and lifted in the fall when intended for Easter blooming, but it would be better to grow it in pots the year round, as most plants of this character flower best when treated in that way, the wood being in better condition, because more ripe, than when grown in open ground, especially it the

fall happens to be wet. This spiræa is well enough to make variety as an Easter plant, but it lacks brightness in color when compared with azaleas.

L.

#### Origin of Kaiserin Augusta Victoria.

Replying to W. S., will state that all the information regarding this variety that I have been able to obtain is that it is a hybrid tea, and was introduced by Lambert & Reeter, Freir, Germany, in 1891, but what its parents are, or who was the raiser, I have never seen in print that I can remember. Possibly Mr. John Cook, of Baltimore, can give the desired information to your correspondent, as he knows the introducers personally I believe.

John N. May.

#### Dry Stem Rot.

ED. AM. FLORIST: Enclosed find a sprig of L. McGowan carnation that has a disease which has badly infested my house, more especially the whites, L. McGowan, Storm King and Alaska. I have lost but three or four plants entirely, but that ring will come around the bark of the stems. Sometimes they will wilt just before they are fully opened. I. E. R.

The trouble is doubtless dry stem rot. Only a certain portion of the plant is attacked, causing it to wither and dry up, and if allowed full sway will destroy the greater part of the bench. The only remedy is to cut away the affected parts of the plant as soon as it appears, not letting any part stand, but cut it close to the place which still seems unaffected and sound. Watch closely, and keep all moisture or dampness from the foliage, for this will quickly germinate any spores that may have ripened, and spread the disease. Extreme caution should be taken in selecting cuttings from this stock, as it will grow and produce more damaging results year after year. With care it can be worked off entirely.

#### Primulas Drooping.

F. E. Dorner.

ED. AM. FLORIST.—What is the cause of primulas (Chinese) suddenly drooping in leaf and flower over night? The house in which they are grown is kept at carnation heat, never over 65° daytime and never below 48° night temperature. The plants are fine and healthy, and shortly repotted to 4-inch pots, well set and growing. On examination we found nothing at roots, and no insect on leaves apparently. Only a few plants seem to be affected.

Primulas recently potted droop in this way when the soil is kept saturated for a few days at a time, but sometimes the trouble is traceable to the hard, impervious character of the original ball, which becomes quite dry even when the new soil around it is sufficiently moist. The use of a dirty pot in the former potting will also bring about this result, the young roots at the side being much mutilated in the later transfer.

B.

The Passey Issue to the that this is not a botanic garden, but a school of horticulture connected with Harvard University.

It you are a pand up subscriber to the AMERICAN FLORIST, you are entitled to a five-line want advertisement free, any time before year's subscription expires.

#### Bulbs for Easter.

ED. AM. FLORIST.-When is the best time to bring tulips, narcissus and Dutch hyacinths into the greenhouse so that I may be able to use them for cutting at Easter, and at what temperature should they be grown?

In order to have these bulbs in bloom for Easter (April 10), it will be necessary to place them in a temperature of 45° at once, increasing the heat gradually to 65° and 70° in the course of the next two

#### Lynn, Mass.

Interest over the contest for City Forester was manifest by the large gathering of local florists at a public hearing given by the committee on public grounds at the City Hall on Friday evening, January 28.

William Miller, the present incumbent being charged with all sorts of misdemeanors, Mr. Miller came out with flying colors, receiving four out of the five votes. No charge was proven.

Gibbs Bros. report a good trade; they seem to be catching on nicely. Tapper Bros. show a fine house of Bridesmaid and Daybreak carnations. Among the local growers no specialty is grown; a general stock seems to be the order of things. Everybody has his overalls on for spring work.

The recent banquet of the Lynn Florists' Club at the residence of Wm, Miller was

a grand success. We expect another soon. Considerable damage seems to have been done by the blizzard. Miller & Sons lost a large lot of glass; Tapper Bros. a smoke stack and John Knight one greenhouse.

Hayden, of Marblehead is cutting Marie Louise violets that overlap a silver half dollar by considerable; they are fine.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1886 is entitled to a five-lace want adv free to be used at any time during the year.

SITUATION WANTED-By a first-class rose grower:
15 years' experience. Good references. Address
10 W, care American Florist.

SITUATION WANTED—By a competent store man, late with Freidman; reference given by Chicago wholesale florists. R.A., care Am. Florist.

SITUATION WANTED-By a young man, 21:3 years' Sexperiencein general greenhouse work, scher. Good references. Address KOMO, care Am. Florist.

STUDATION WANTED—By young man, age 21, three years' experience in roses and carnations. Best of references. Address W W, Box 163, Newtown, Pa.

SITUATION WANTED—By nn A No. 1 manager of wholesale or retail store; twelve years experience in prominent cities. Correspondence solicited G, care American Florist.

SITUATION WANTED—As assistant gardener on private or commercial place; German, single, age 24. Best of references; able to take charge. Address. Box 828, Naugatuck, Conn.

SITUATION WANTED—Ry middle aged gardener and florist, with large experience both in this coun-try and Enrope; private place preferred. Address E.M., care American Florist.

SITUATION WANTED-By A:1 general cuttlewer grower; good decorator. Recommendations furnished; German American; 30 years old. Address V G, care American Florist.

CITUATION WANTED-As foreman of a first-class out flower growing establishment. In reply de-scribe place and name salary. References NIAON H. GANO, Richmond. Ind.

CITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age 38, married. Best of references.

CHICAGO, care American Florist.

SITUATION WANTED—By a young man well up in the growing of roses carnations, huma, etc., as assistant grower; age 24, single. Best of references. ASSISTANT, care American Florist.

SITUATION WANTED-By young man to learn the forist trade; sober and reliable; state terms. Address W. C (REGORY, BOX 22, Markham P. O., Ontario, Canada.

CITUATION WANTED - A competent seedsman wants situation with a reliable seed house; can speak Dotteh, German or English; correspondence solicited. H. care American Florist.

SITUATION WANTED—A young man. 19, with 3 years' experience in horist store desires a place in greenhouse to learn practic 4 forfeithure:

ALBERT FIEDLER 820 Hanover St., Baltimore, Md.

CITUATION WANTED—As foremen in first-class of establishment; specialities, roses, 'mums, carnations, orchids, etc.' life experience; well up in other branches of the profession. C.O., care Am Florist.

CITUATION WANTED—By a young florist, 24, as a sasistant on private or commercial place, 6 years' experience in general greenhouse work; 3 years in last place. Address M. E. ARNDT, Poldips, Wis.

Struction Wanted—As foreman in large cut flower establishment by ro Al grower of roses, carnations, etc.; 24 years experience; 12 years as foreman in large places. Best references. Address F B care American Florist.

SITUATION WANTED-By practical florist of 17 years' experience, good cut flower grower, roses, carriations, etc. Competent to take charge; would work on shares. Reference and bond given. Address Keliable, care American Florist.

SITUATION WANTED—By single man. age 25, as Second man or to take charge of small place; good grower of cut flowers and bedding plants, steady and reliable; disengaged March lat. Address R. L. care American Florist. Chicago.

SITUATION WANTED—48 foremen by practical flori-t and grower; specialty No I roses, carnations, mums violets, general stock, etc. Now disengaged; age 38 Best references. Address W II care 164 E Main St. Alliance, Ohlo.

DITUATION WANTED— sy praetien! fiorist and plantsman of experience and executive ability in all the requisites of commercial places; general propagation, inside and ootside operation. For nore particulars address.

F. T., care Am. Forist.

SITUATION WANTED—March 1st, us working fore-D man or propagator, by it st class, all-round grower; wide experience in Europe and United States; spe-cialities, roses, carnations, violets and adminimus; laine, single, 28; state terms. N B, care Am Florist.

SITUATION WANTED—As foremen with some retined party by a practical grower of roses, carnatiors, violets, mums, palms, ferms and general stock, forcing of bulbs; a life experience: references Ck. Address FOREMAN, care American Florist.

SITUATION WANTED—By christian young man as foreman or manager of some first class pince: ten years' enstern and western experience good cut flower grower; wages must be good; western states preferred. References exchanged Address.

Lil W. care American Florist.

SITUATION WANTED—As foreman in cut flower establishment, mostly roses and carnations; must be up to date in conveniences; by ali-roond man, single. American, nine years experience; don't use to-bacco or drink; west preferred; good wages expected. References ROSES, 2640 Cottage Grove Ave., Des Moines, Ia.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, 'mums and general stock; life experience, married, age, 36; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references. Address ROSE GROWER, care American Florist,

WANTED-Responsible florists to work. Send two 2-cent stamps. E. A. TAYLOR Asheville, N. C.

WANTED-A good, all-round florist, single, reliable, temperate man, with good references. Address O. L. BAIRD, Dixon, III.

WANTED-The address of Carl Jorgensen, Dane, Amager. Address L. JENSEN, South Butte, Mont.

WANTED Young man to take charge of florist business and take interest in business. Address New York, care American Florist:

WANTED—General greenhouse man well posted in ferns and paints.
H. F. HALLE, 548 W. Madison St., Chicago.

WANTED-Man capable, energetic and Christian, to take charge of 6,000 feet of glass, dowers and vegetables. PARK GREENHOUSES, DuBuis, Pa.

WANTED-A young man with 2 or 3 years' experi-ence in a commercial place; must be temperate and reliable. Address R. S. RASMUSSEN, Waterbury, Conn.

WANTED -To know the whereabouts of C. G. Kramer; was last heard of from Santa Barbara, Cal., February, 'H. Will hear of something to his advantage. ALBERT ZUMERMANN, 750 B North Talman Ave., Chicago.

WANTED-A competent man for cut hower de-partment and making up floral designs and bou quet work; also one that understands decorating and general greenhouse work. Apply CHARLESTON GREENHOUSES, 366 Meeting St., Churleston, S. C.

WANTED-A good, sober, middle-aged man, either single or married, to grow 'mums principally; must come well recommended. A steady pince for the right prison. Address NANZ & NEUNER, 582 Fourth Ave., Louisville, Ky.

WANTED-Foreman on commercial place. Cali-tornia: must be experienced in handling men; with u questionable knowledge of propagating and growing, both inside and out: competent to take charge. Good babits and best of references. Address CARNATION, care American Florist.

WANTED-Young mno thoroughly experienced in the best class of retail iterist business; most be first-class in window, table and wedding decoration, nlso design work—Apply with references, ability, ctc., stating wages expected. J.H. DUNLOP, 445 Yonge St., Toronto, Can.

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FOR RENT-Seven greenhouses, stocked: dwelling and land, steam heat; convenient tor Baltimore wholesale market, and fair local trade. Address MARYLAND, care American Florist

FOR SALE—Greenbonse plant of 5,000 feet of glass in Jamestown, N. D.; price \$1,500; 1<sub>3</sub> cash, balance may be paid in cut flowers. Address W. W. SEEKINS, 321 E 3rd St., Doluth. Minn.

FOR RENT—Greenhouse, 6 (800 feet of glass on Main street; street cars pass the door; store and dwell-ing house connected with same place. 835 per month, P. N. SOETGA, 1882 Cedar Ave., Cleveland, O.

FOR SALE-Five Greenhouses, heated with hot water; all lo good condition, well stocked with the finest carnations and other stock in general seen; 6% acres of land, all kinds of soll on same: a harvest for any good man; poor health is cause for selling MRS. H. C. BUCHELER, Oconomowoc, Wis.

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JOS. T. SULLIVAN, Moorestown, N. J.

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| **     | Bridea 1 00@ 8.0                          |
| **     | Meteors, Bridesmaid, Kaiserin., 4,00@ S.t |
| **     | Perie, Gontlers 3.000 6.0                 |
| * *    | La France. Testout 5.00@ 10.0             |
| Carna  | lona, common 1.00ka 2 (                   |
|        | tancy 2.00@ 5 (                           |
| Violet | 50@ 1.0                                   |
| Narch  | sua, Romana 2 000 3 (                     |
| Callas |                                           |
| Harri  | 11                                        |
| Valle  | 2.00kg 3 t                                |
| Tallp  | 1 00 a 5.0                                |
| Von 3  | lon                                       |
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| NEW YORK, Feb. 9                        |
|-----------------------------------------|
| Roses, Beauty,                          |
| " Br.des. Bridesmald 3 00@ 10 00        |
| " Testout, Carnot 4 100@.12.00          |
| " Morgan, Meteor 3.00.410.00            |
| Carnations 1.00@ 2.00                   |
| " fancy 2 50@ 4.00                      |
| Valley 2.00 & 4.00                      |
| Mignonette                              |
| Violets                                 |
| Harristi 8.00@10 00                     |
| Tullps 1.50(3.3.0)                      |
| Smllax 8 00@10.00                       |
| Cattleyas                               |
| Daffodila, Jonquila                     |
| BOSTON, Feb. 9.                         |
| Rosea Beautles                          |
| " Perle. Niphetos 2 00a 4 00            |
| " Bride, Bridesmald, Morgans 4 00@12.60 |
| " Carnot Meteor 6.00kg/12/00            |
| Carnations, ordinary                    |
| " faucy 2.00@ 3.00                      |
| Valley, Daffodlis 3.00@ 4 00            |
| Vloieta                                 |
| Violeta                                 |
| Tuitps 3.00@ 4 00                       |
| PHILADELPHIA Feb. 9.                    |
| Roses, Beauties, per dozen3.00@8.00     |
| " Teas, firsts 7.00@10 00               |
| " aelect                                |
| Carnations 1 50ca 3.00                  |
| Valley 3.00@ 4.00                       |
| Violets                                 |
| Narciaaua 2.50@ 3.00                    |
| Hyacintha 2,00@ 3.00                    |
| Harristi                                |
| Daffodlls 4.00                          |
| Tullps 4.(0)                            |

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#### Florists' Ferneries.

The increased use of terns for house decorations within the past ten or twelve years has been remarkable. They have steadily grown in public favor, rivaling palms, rubbers and other plants used for this purpose. Nephrolepis and other large ferns are now largely sold for filling jardinieres where formerly only palms rubbers were used, though the great demand is for small ferns in two and three inch pots for filling ferneries.

of the many ferns in cultivation there are but very few that, under the most favorable circumstances, would live for more than a short period in the hot dry atmosphere of a dwelling hented by a furnise or steam. We are not only ex-pected to furnish plants that will stand heat and dry air, but they are restand heat and dry air, but they are required to grow in a shallow dish, generally without drainage. Therefore great care should be taken in the selection of the most suitable varieties. The followthe most suitable varieties. The following will be found serviceable as center plants in small fernerics, or in those of large size where tall subjects are needed: Nephrolepis davallioides furcans, X. exaltata Bostoniensis, and X. Phillippinensis. X. davallioides furcans can be as easily grown as Pteris serrulata, and when treated in the same way is one of the most useful and beautiful of all ferns, being salable from the time it is established in 2-inch pots, and in all larger pots up to 12-inch. If a plant gets too large, the

Among other good sorts for this kind of work are Cyrtomium falcatum, one of the very best ferus for house culture; Lastrea aristata variegata, good variegated. Pteris adiantoides, dark green foliage; P. cretica, and its varieties magnifica and albo-lineata, the last the best variegated fern in cultivation; P. serrulata and its varieties cristata, cristata compacta, cristata fastigata, cristata parvula, cristata plumosa, cristata magnifica, major, and major cristata; P. hastata, P. palmata, and P. Victoria. This list of terms cannot be duplicated by auother of equal size and merit from the hundreds of varieties known in gardens, and they will come as near standing the disadvantages of house culture as any fern can come.

size can be readily reduced by dividing it.

There always has been, and no doubt always will be, a class of customers who prefer adiantums. The majority of these will be suited with A. cuncatum, but for others it would be well to have on hand a few varieties of A. Capillus Veneris. Several of these varieties, including fission, gracile, grande, imbricatum and magnifrom A number of other plants can be mixed with terms in these little ferneries to good purpose. Small pallus are quite gererally used for center plants, and Cocos Weddehana is one of the best. Peperomia Saundersu is a good house plant, withstanding the dry air and gas pant, withstanding the dry air and gas inch better than the terns, and very easy to grow and propagate. When we dean the peperomas or have a plant biolen in any war, the locyes are thrown under the greener is every hard here they soon declored the party or and here they soon declored the party with all perceives of P. Samidesan are soon go decreter plant for a terreiry and the same free plants may be used around the cateroday with good effect.

The tonic, and the same dear degrams good things are a conductor in this work. These parts is a continuous rather are but the according to the other. mertined.

# Wholesale Flower Markets

| CINCINNATI, Feb. 10.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
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| Roses, Beauty select 30,00@40.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
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| " Bridesmalds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
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| Asparagas 50.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
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| St. Louis, Feb. 10.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Boses, Beauties 15 00@50 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| " Meteors 5.00 a 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| " Brides, Bridesmaids 5.00@ 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| " Perles 4.00@ 5 (0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| " Wootton 4.00ka 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| " La France 5.00c/10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| " Kalserine 4,000 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| " Carnot 6 1000/12 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Carnations 2.00% 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Violets, California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| " single                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Vailey 3.00a 4 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Harrisii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Callas \$ 000 12 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Talips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Nardsaus Romans 2 50cc 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Smllax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| BUFFALO, Feb. 10.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Brides, Bridesmaids, Meteors 6 000 10 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| " Perles 4.00% G 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| " Niphetos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| " Kalserin, Mermets 6 00@ 12.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Carnations extra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| ordinary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Romans 2.00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Harrisil 15 00@ 20.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Smilax 12.50@ 15.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Adiantam 1.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |



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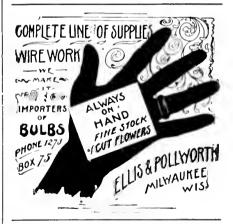
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# Asparagus Plumosus

Strings 8 to 10 feet long, 50 CENTS.

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#### Baston.

FEBRUARY EXHIBITION AT HORTICULTURAL HALL. - FINE CARNATIONS. - BUSINESS DULL AND OUT OF TOWN SHIPMENTS STOPPED BY THE STORM.—A FINE EASTER STOCK AT WM. EDGAR'S .- COTTER'S SUC-CESS WITH SUMMER ROSES.-UNUSUAL PROCEDURE IN MASSACHUSETTS HORTI-CULTURAL SOCIETY. — GREENHOUSES CRUSHED. — PROTECTING THE MAY-FLOWER.

The February exhibition at Horticultural Hall last Saturday brought out two fine collections of carnations from Wm. Nicholson and M. A. Patton. the recent introductions, as well as older varieties, were included in both collections and the quality was good excepting for a noticeable weakness of stem in all, caused by the shade from the heavy snow banks on the glass. Of the old varieties none looked better than Thomas Cartledge, which apparently does not belong in the "run out" class. Carl Blomberg showed a fine group of orchids comprising many cattleyas and cypripediums, besides dendrobiums and phalaenopsis. In the class for camellias James Comley was the only competitor, and no one tried for the freesia premiums. The dis-plays of forced vegetables were unusually

good.

The effects of the recent wild weather are seen not only in the broken trees and crushed greenhouses but in the accumulation of flowers at the various wholesale stores, the receipts being in excess of the outlet, notwithstanding the decreased production resulting from the cold and absence of sunlight. The difficulty in moving even a limited stock when transportation to outside points fails, and street dealers are unable to work, is an impressive object lesson and is an indication of what might be expected if the wholesalers ceased to ship flowers away from this market and the flower growers were forced to depend upon the legitimate local retail trade. Shipments north and east have been impossible all through the past week and carnations, even, are pil-ing up hopelessly. When carnations go that way at this season the story as to other flowers is easily understood. In short, business has been very disappointing of late.

Wm. Edgar has as nice an Easter stock in prospect as is ever seen in this neighborhood. Azaleas rhododendrons and genistas will be very fine; lilies ditto. Some big pots of longitlorums, six and seven bulbs in each, are especially admired and the entire stock of lilies excites sur-prise on account of absence of evidences of disease until one is told that the usual proportion of sickly lilies was in evidence the same as ever, but that as soon as they showed, they were promptly dumped. Mignonette, Allen's Defiance, which looked so handsome here not long ago shows considerable trace of disease now, but Mr. Edgar attributes this to injudicious watering rather than to any inherent weakness in the mignonette. ferns by tens of thousands are rapidly coming forward and it is consoling to know that at last Boston is in a fair way to have a home establishment with sufficient enterprise to supply all the young ferns needed for local demands.

Lawrence Cotter is entirely out of the Easter hustle this year. The houses, five in number, that in previous years were devoted to chrysanthennums in fall and then filled with Easter stock, were planted with Kaiserin Augusta Victoria and Meteor roses for summer consumption and gave a good crop until Decem-

ber when they were cooled off and the plants given a chance to take a good rest. They are now breaking again and give promise of a grand crop. Mr. Cotter claims that this method of using the houses has proved much more profitable in the aggregate than the old way.

The Massachusetts Horticultural Society has suddenly developed a great interest in the state forests and street trees. Very much to the Society's credit is this, but when in an organization such as this. with so many noted and able arboriculturists of long standing as members, it transpires that of a special committee of five on this subject, two members, one of whom is the chairman, only joined the society on the day on which the committee was constituted, comment must be expected. There are some things that the Massachusetts Horticultural Society has in the past wisely abstained from, and conservative members will now keep their eye on the woodpile in which, maybe, a colored gentleman is concealed.

In addition to those mentioned in last week's notes as having sustained loss on account of the storm it is learned that David Gray of Brockton suffered heavily; his greenhouses being badly wrecked and the contents seriously damaged.

A resolution has been introduced into the Massachusetts House of Representatives, providing for the protection of the trailing arbutus.

W. R. Smith of Washington will talk on "Trees in Streets and Elsewhere" at Horticultural Hall, on Saturday, February 19.

Fred W. Hyatt, Beacon street, has failed.

Visited Boston: H. Bayersdorfer, Martin Reukauf, Philadelphia; Paul M. Pierson, Scarborough, New York.

#### Mushroom Growing at Kennett Square, Pa.

The mushroom industry in this section has been made quite a feature, and pretty generally entered into the last few years in connection with carnation growing; so much so in fact, that it has ceased to be a paying crop, all things considered. It must be borne in mind that a great many of our florists-growing mushrooms-have farms connected with the greenhouse business; which, with the extra cheap labor to help ont in preparing the material, lessons the cost of production very materially; otherwise I doubt if there would be very many grown.

The manure used is not entirely wasted in the growing of mushrooms, however, for it makes an excellent potting soil and top dressing for any growing crop. preparation, housing, etc., is quite expensive, and the chances of failure about as good as of success.

The temperature of a carnation house is a little low for best results in growing the mushroom. The best results are obtained in houses built separately for them. These are under better control, and an even temperature of 56°, best suited to them, can be maintained.

A few years ago before so many were grown, when 50 cents per pound was realized, they were a fairly paying crop. I doubt very much if they can be grown for less than 25 cents per pound. Last season they reached the low figure of 10 cents, which was a losing price for the erop. WM. SWAYNE.

LENOX, MASS.-J. R. Paul has just secured a patent on a shade for greenhouses.

FLORISTS' MUTUAL

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Please mention American Florist.

#### Chicago.

BUSINESS GOOD AND PRICES HIGHER .-WASHINGTON PARK CONSERVATORIES OPEN EVENINGS -PINK TULIPS IN FAVOR. -MEETING OF THE FLORISTS' CLUB.-VISITORS.

Business during the past week has been good. There is a marked improvement in demand. All good stock, except bulb stock, has been cleaned out by ten o'clock

There are not enough roses to supply the demand, especially of Brides and Maids. Meteors are more plentiful than other roses, and less in demand on account of poor color, but as roses are scarce all are disposed of. Carnations, especially good Tidal Waves, are scarce. Violets, which a week ago were accumulating, are now sold out clean every day, and at an advance of 25 cents per 100 over last week's prices.

The Chicago growers ought to be well satisfied with the prices obtained this winter for stock. A comparison of price lists for the past seven years for the month of January shows that they averaged higher in January, 1898, than in 1892, which was the highest in the years compared.

Retail trade is fairly good; there are no large parties or great demands from any particular source, but a good steady business.

The Washington Park conservatories are now lighted by electricity and opened to the public in the evening. Crowds are in attendance each evening, and it is the intention to continue the practice as long as the interest keeps up. Mr. Kanst feels well pleased with the success of this expe-

John Zeck, manager for Reinberg Bros., has been sick since last Saturday

Klehm has made a hit with his pink tulips; pink is the only color that sells readily this season.

Weber Bros., of Bowmanville, are sending to A. L. Randall exceedingly fine carnations. Their McGowan are the best seen in the market.

The Florists' Club meeting Thursday evening was quite largely attended, it being retailers' night. It was expected that the retailers would take the opportunity to discuss their grievances against the growers and commission men. old subject of pickled stock which is ever fresh in the minds of the retailers after the holidays, was thoroughly and good naturedly discussed, and also the necessity of having all flowers which are sold by the bunch full count and better graded.

1) McKoric, with W.A. Manda, of New Jersey, visited the club. P. J. Hanswirth, has the decoration for

the banquet of the Marquette Club at the Auditorium hotel Saturday night. Covers will be laid for 1200.

#### Philadelphia from a Grower's Point of View.

Messrs. Thomas Mechan & Sons have

Messes. Thomas Mechan & Sons have a white sport from carnation Della Fox. I hope they may be at and that it may prove to be a made.

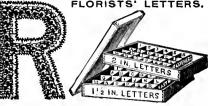
The line of against as spoken of frequency, the edge of Igne within the seventies of the tenent was subject to a first sea hearbested it smaller to the

a release to the affected at similar to the same transform or emission head honotrope. Now data there ggy verticus to the grotter of the energy verticus to the grotter of the energy of the first of the energy of the belief that the point of the electropic of the e

vitality, causing the parent to produce something dissimilar and weaker than itself. It would be interesting if Mr. Marquisee would particularize and specify why he thinks so, producing facts to bear him out in his assertion. Proofs in abundance, I think, can be produced that either he or the reporter has made a mis-Lots of erroneous information is spread broadcast in just that reckless way of speaking and writing.

At the April meeting of the Florists' Club will the symposium on the Lilium Harrisii disease take place, and not as has before been stated at the March meeting. Wm. P. Craig is down to tell meeting. wm. r. Craig is down to tell us all about what he saw at the annual meeting of the American Carnation Society, to be held February 17th, at Chicago, and his impressions of the great West. An instructive and entertaining paper is expected.

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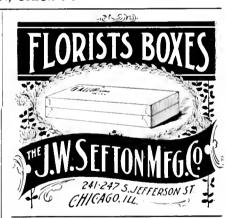
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#### St. Louis.

MARKET REVIEW.— CLUB NOTES.— PER-SONAL MENTION.—THE BOWLING CLUB.

Market opened up for the week with a good demand and a very limited supply of stock. The shortage of stock still continues with the outlook for heavier receipts very discouraging. The heavy The heavy snows throughout the Indiana flower belt which to a great extent supplies this market, were a hindrance to shipment. The home growers report that their crop will be on again in about ten days or two weeks.

Beauties were in good demand, stock was very poor and receipts light; Kaiserin and Brides sold better; Bridesmaids were in good demand; Carnots were called for, with none in the market: Meteors continue to arrive in poor shape, with a big demand for same; Perles were more plentiful; Woottons sold well. California violets went lower this week than at any other time this season. Double violets were neglected. Single violets and southern stock sold cheap. Harrisii lilies were scarce with a good demand. Callas sold well and supply was good Romans and narcissus were poor sellers this week. Smilax was plentiful and selling cheaper. Carnations are in good supply. The bulk of carnations arrriving here are very poor, and the wholesaler has a hard time disposing of this kind of stock. Good stock sold readily and at fair prices.

Mr. J. J. Beneke who was elected manager of the next flower show has appointed his staff of officers to act as chairmen of their respective committees. Mr. Emil Schray, premiums and awards; R. F. Tesson, hall and printing; Mr. Wm. Young, subscriptions and prizes; Carl Beyer, advertising; C. C. Sanders, finance; F. Fillmore, special prizes.

The second annual smoker of the St. Louis Florists' Club was held at the Merzantik Club, and all members of the

Mercantile Club, and all members of the club and all the florists of the city were invited to attend. Plenty of lunch and refreshments were served, and all were called upon to make a few remarks appropriate to the occasion. Altogether the smoker was a success in both a social

and business way.

Mr. Dan'l McKorie, the popular and rotund salesman was with us the last few days. Outside of corralling all the orders here he also showed the St. Louis boys how to roll cocked hats.

Mr. Ed. Buechel, the genial manager of the Riessen Floral Co., reports business good, and is kept busy this week with one of the biggest decorations of the season for the Liederkranz masquerade ball.

The meeting of the bowling club despite the cold weather was well attended and some good scores were made. The boys may possibly make up a team to roll the Chicago team during the coming carna-Ã. J. B. tion meeting at Chicago.

#### Cincinnati.

The supply of roses has been somewhat better than in the previous weeks. Choice Beauties have been difficult to obtain; there are enough second and third class to meet the demand. Teas are coming in more plentiful. Carnations have been sufficient and find a ready sale. Marie Louise violets, choice quality, are still sought after, but inferior grades move slowly. Tulips are improving, with longer stems. Our wholesale houses report a fair shipping trade the past week.

On February 5 a special meeting was held at the society's club room. The object of the meeting was to make final arrangements in regard to the Chicago

Carnation Convention. Mr. E. G. Gillett was appointed a committee on railroad rates. The time of leaving the C. H. & D. depot will be 8:45 p. m. February 16.
Mr. Albert Sunderbruch was appointed a committee to notify Mr. Hadley in regard to spacefor the Cincinnati exhibit. A suitable badge was next discussed, and Mr. Witterstaetter selected to have full charge of procuring same.

Mr. J. M. Gasser, of Cleveland, O., was a visitor at the meeting. He spoke entertainingly regarding trade in his city, also the marked difference he noticed in carnations seen here as compared with that of his own city.

Among those who will attend the carnation convention at Chicago are Mr. Bartlett (who makes bone flour without acid) A Sunderbruch, H. Wallman, R. Witterstaetter (Evelina), Ben George, J. Schuman (Newport, Ky.), E. G. Gillett, J. Petersen, R. H. Warder, Supt. of Parks,

Gus Adrian, W. Murphy and E. H. Giesy. That long bundle E. H. G. is going to bring contains sash bars; no sap in the bars nor the man either. II. Schwarz.

#### Remedy for Scale.

ED. AM. FLORIST: I saw recently in the New York notes that growers of dwarf oranges are troubled with scale. An effective remedy used here by spraying is Babbitt's lye, one pound, to twenty gallons of water. This neither injures fruit or foliage, but it may be well for growers to pack the surface of pots with sphagnum, as too much lye may be injurious to plants in pots.

C. H. CAMPBELL.

HAGERSTOWN, MD.-Adolph Jaenicke has made a voluntary petition in insolv-

# Palmer's Hot Bed Mats FROST PROOF

Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds. Indestructible, Cheap and Warm

WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

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Onton sets are now quoted at Chicago: yellows, \$2, reds and whites, \$2.50 to \$2,75.

THE sweet corn shortage is becoming more generally apparent, and prices have advanced.

GENERAL REPORTS on the catalogue mail trade indicate satisfactory business to date, February 10, with from 10% to 20% advance over 1897 for January.

Los Angeles, Cal.-The Redondo growers are about the only ones that have not suffered from the frost. They have some thirty acres planted to carnations. Mr. Feder is cutting from 2,500 to 3,000 per week, and the Redondo Beach Co. about the same. While they are not cutting nearly as many as they would if the weather was more favorable, yet the quality does not seem to be affected. J. J. Dean, of Moneta, in the valley between Redondo and Los Angeles, would have lost a good deal if he had not had his young stock under glass. The Redondo growers are leaders in this section, both as to quality and quantity.



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#### Buffalo.

The window of one of our Main street stores has been conspicuous all winter by the profusion and perfection of the Day-break carnations which have been the key note of the decorations. I refer to that of W. J. Palmer & Son.

I took a run out to their houses at Lancaster a few days since, not only to see where the flowers were produced, but to make my peace with the senior mem-

ber of the firm.

Since my last visit a lot of the older houses have been removed to make room for those of more modern construction. The new houses are extremely well built and have side light both front and rear; iron frame, big glass and ventilators hinged to purlins. When you walk inside it seems lighter than out of doors.
Several of the houses are devoted to

carnations, principally Daybreaks, and a finer lot I never saw—no, never so fine. At the time of my visit they were loaded with great long stemmed blooms of perfect form and color and the evidence was on the plants themselves to show that they had been yielding in a bounteous manner for a long time. I did not learn that they had received any special treatment. It only goes to show what new houses and an old head can do. Several of the older varieties are still grown well. A great many of the newer aspirants for public favor were there also, but I thought it would be a long time before Dayhreak, as grown here, would be superseded.

Roses, as usual, are doing well, and violets have been good evidently.

There is nothing new in trade circles that I am aware of—everything quict and peaceful. The energies of the growers are now being devoted to getting things for Easter and the spring trade, which come rather close together this year.

#### Pittsburg.

There is nothing new to report in the business situation this week, neither does it look as if there is to be any marked improvement before the Easter rush, but will keep steadily at what may be designated as very conservative. The demand for funeral work remains fairly good. The Western Pennsylvania Botanical

Society, met on the 3d inst. Twelve new names were added to the membership list. The principal feature was an address delivered by Prof. Adolph Koenig on "Medicinal Plants." He confined himself chiefly to the plants of Allegheny county, Pa., (our own county). Upward of 100 specimens were exhibited and examined in detail. The alkaloid and glucoside substances, which are found in nearly every

plant, were fully delineated, and their curative, poisonous and antiseptic properties explained. The lecture gave a very great deal of satisfaction and instruction.

Miss Anna M. Deens, instructor of botany in our high school, will at the next meeting of the Society, March 3, lecture on "Botany in our Public Schools.", As Miss Deens is an enthusiast on her subject, as well as a very fluent speaker, the lecture is looked forward to with great expectations.

#### The Perfume of the Violet.

For a long period much of the perfume sold as the product of the violet has been derived from quite a different plant, namely, the Florentine iris, and now we have to record as one of the most recent achievements of scientific chemistry, the production of an artificial perfume practically identical with that of violets.—Gardeners' Magazine.

# SOMEBODY MUST WANT THEM

I have Five cases Spiraea Japonica left, 200 clumps each. Who wants them at ONE-HALF PRICE? I will sell at \$2.50 PER HUNDRED by the case. They must be planted this week to be ready for Easter. Speak Quick. GUARANTEED O. K. Have been kept in cold storage. . . . . .

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# TUBEROUS BEGONIAS \$4.00 per 100. These are large, extra fine and Bulbs. English strain.

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Glant Crimson, etc. Signed CH MOLIN.
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Veitch's Hybrids. \$4 per 12; Equestra, \$4 per 100; Formosissima, \$3 per 100.

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Spotted Leaf, \$3; Black, \$5; Yellow, \$30; all per 100. Golden, \$2 each.

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| LILIUM RUBRUM (Speciosum)     |                  |
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| Single, separate colors, 3.50 | 30.00            |
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CALADIUMS..... Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00.

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# Pedigree Cannas.

Our new Cannas. Rosemawr. Golden Pearl. Maiden's Binsh, Duke and Duthess of Mari-borough Gloriosa, Sunset. Augusta. Balti-more, Philadeiphia. Ac., are the very best Write for list of new and standard varieties.

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#### Baltimore.

NO SERIOUS DAMAGE FROM BAD WEATHER. TRADL STEADY .- PRICES .- SHOW GETS A SET BACK.—CUT FLOWERS IN COLUMNS.

We did not have such a blizzard last week as Boston reports, but it was enough. Cold weather is all very well to stop the supply of outdoor flowers in the fall, but no doubt, a majority of the craft would like to have a week's notice of such a break as the last, or even dispense with it altogether. So far as can be ascertained no serious damage was done anyone, either by the gale that preceded it, or by the blizzard itself.

Trade is jogging along at a steady gait. The supply seems fairly up to the demand and prices are not bad. The manager at the exchange quotes the following rates: Carnations 112 cents; La France, Brides, Bridesmaid 6 to > cents; Perles 4 to 5 cents: American Beauty, scarce, at \$3 to \$4 per dozen; callas, \$1.20 per dozen; smilax, 20 cents; freesias, \$1 to \$2.50 for choicest long stemmed; Adiantum cunea-

tum, \$1 per hundred.

Well, the show project has received a decided set back at the hands of the club. The question really is not whether we shall have a show, but shall we have a show of our own, or be a kind of sideshow for somebody or something else. There will always be flower shows; there were several in and about the town last year, and there really seems to be a good deal of reason in the assertion that it would eost no more and be no more risky for any individual to join with all hands in giving a grand chrysanthemum show, than it would to be stuck off in a corner, like a "lovers' postoffice" or "wheel of fortune" at some charity bazaar. Has our desire to do wonders and leave larger cities and older societies in the shade not run away with us? Or is it an exemplification of the saying that

"a scalded child fears cold water. While cruising about among the stores the other day, a simple but very satisfac-tory plan of holding cut flowers in columns was seen at Mr. Feast's. A bamboo stem about two inches in diameter had notches cut half way through the diameter just below each node or leaf joint, by filling the hollow stem of each joint with water and putting the stems of the orchids, terns, etc., in the holes or notches, a slender column of most graceful appearance was formed, while every bit of the greenery and bloom had a plentiful supply of water at the stem, to keep it from wilting. The usefulness of such an arrangement for delicate subjects, such as Adiantum Farlevense can hardly

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Our Specialty. Correspondence Solicited. LAGER & HURRELL, - Summit, N. J.

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#### HARDY **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOY, IRIS, DELPHINIUMS, ETC., ETC. JACOB W. MANNING

The Reading Norsery, READING, MASS.

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# Adiantum Farleuense

BEAUTIFUL PLANTS, In 5-Inch pots, at \$9.00 per dozen.

EDWIN LONSDALE, Wyndmoor,

Money Order Office, Station H Ph la

Chestnut Hill, PHILADELPHIA, Pa.

# BOSTON FERN

Nephrolepis Evaltata Bostoniensis. Strong plants 6-inch pots, \$1.00 each; \$12.00 per doz.; also three varieties of **PTERIS**, bushy plants, 5-inch pots, 20c each; \$2.40 per doz.

JOHN WELSH YOUNG. .... CERMANTOWN, PA.

#### ROSE HILL NURSERIES. SPECIAL OFFER

Cocos Weddeliana \$6.75 per 1000. 10ts, \$36.00.

SIEBRECHT & SON. New Rochelle, N. Y. New York Office, 409 Fifth Avenue.

# \* BEGONIAS \*

|                         | 100,    | 11000,  |
|-------------------------|---------|---------|
| single, separate colors | \$3 100 | \$25,00 |
| Double. " "             | 7.50    | 65 00   |
| doxinas, mixed          | 3 (H)   | 35-00   |
|                         |         |         |

J. L. SCHILLER, 404 E. 34th St., New York. Sole Agent for Louis van Driessche, Ghent.

# FEBRUARY OFFER. Per 100

| Iternanthera, Yellow, \$1.50; Red | \$2.00 |
|-----------------------------------|--------|
| nglish Ivy                        |        |
| egonias, 5 var                    | . 3.00 |
| xalis Floribunda                  | . 2.50 |
| eraniums, 16 Var., 2-in. pots     | . 2.50 |
| ansy Plants                       | . 1.00 |
| A SHEW HILL ORDER                 |        |

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Most a guiffeent beginning and a com-plant known - Equal to a plant in beauty ond manner of growth; grows with the case of the Ricinus and endures drought with impornity. Plants from A in part of out-line 1st attained a height of to feel and though not watered once, remained fresh and services throughout the extreme drought As a produce code across fruit as easily grown as i nio Dorij ant are propagated from a tree I see produce 1 the winter 192 lbs of fruit recommendation Send for half-tone a free photo showing bed of these There Per Should be Price \$2.25 per size ready May 1st. We are hendquarand for Lit.

Martin Benson, - - ILLINOIS. DONGOLA.

# Palms.

Pandanus Veitchii,

Ferns and Araugarias.

IN ANY QUANTITY.

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Keap Street Greenhouses,

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ROSES, from 3-ineh pots.
CARNATIONS, for fall delivery CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Bend for list.

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Healthy Growing Plants

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# Weddeliana...

# VIGTOR GARNATION

From sand \$4.00 per 100; \$35.00 per 1000. The best pink on the market!

B. REDFIELD. Juggenside, PA.

# Bulbous Stock on own roo for Jardinieres and Pots, which

are great

On own roots

Fine Bulb Pans ....5-in 250 doz.; 6-in. 350 doz.

Stock packed in sphagnum and will stond 5 days' journey. Cash with order....

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BHILLIANT GREEN AND BRONZE

#### GALAX LEAVES.

For Decorating and all Florists' Designs.

CHAS. H. RICKSECKER, Linville, Milchell Co., N. C.

#### Roses Grafted on Manetti Stock Versus Own Root Stock.

Replying to your correspondent A. T., J. A. V. and many others who are constantly asking the same questions, who seem to think this is comparatively a new subject, whereas it was simply a very old one revived by the articles which appeared in the paper about a year ago; as long as I can remember anything about rose growing, this same subject had been thoroughly tested by many growers, but as I can only give the actual experience of one (myself), I will simply give the results of my own trials.

Some twenty-four years ago as I was growing roses where the Aramygus or rose bug as it is commonly known, was causing fearful havoc with our stock, it occurred to me that possibly the Manetti roots and stem, being somewhat of a harder nature than the ordinary tea rose roots, might resist their teeth a little To carry this idea into practice I ordered quite a lot specially prepared for the following season's planting which we received in due time in splendid condition, but alas! their roots were in no way proof against the pest. They were proof against the pest. They were planted, or part of them, in a house 24x300 about half filling the same. The other half was planted with own root stock which we had propagated ourselves. The result was, at the end of the season, that the own roots stock gave us about ten per cent. more flowers than the grafted stock, though the latter were much the strongest plants when put in the house. About this time I made up my mind to wage war on the rose bugs, so lifted the grafted plants, washed every particle of soil from their roots, dipped the tops in strong Paris green solution,

planted them in the open ground, then cleaned every particle of soil, including the surface of the ground under the benches for two inches deep, made a huge bonfire and burned everything. This we did with all the old stock from all the houses except the grafted plants above mentioned.

After emptying the houses, we burned enough sulphur in each house to kill every living thing in them, including a cat which was left in one by oversight. This with some other radical measures we took, virtually got rid of Mr. Aramygus. In the meantime we had prepared an entirely new stock to plant the houses in a separate lot of houses some distance away from the infested ones. This stock included about 1,000 grafted plants of such varieties of tea roses as were then grown, and about the first of July the large house was again planted somewhat in the order as given above. A very careful record of the cuts of buds from both classes of plants were daily kept this season, the result was 12½ per cent in favor of the own root stock. I might mention that the first year's trial given above was in benches with six inches of soil, and I believe these were the first benches planted for winter forcing in this coun-

So much for this test; true we were not bothered in those days with eel worm, and our own varieties were not those of the present time, being such old sorts as Niphetos, Bon Silene, Safrano, Bougier, Souvenir d'un Ami, etc., but about this time I imported a lot of Perle des Jardins and Catherine Mermet for trial as they were new varieties untried in our method of forcing. Some of my then neighbors predicted that they would not succeed. As to the result the rose growers in the

whole country can judge for themselves. Of course when these varieties did bloom, and their marvellous beauty was discovered, the main object in view was to propagate as many as possible. Having a lot of Manetti stock on hand, also a lot of Cherokee, Banksia and other strong growing varieties at my disposal, I utilized every shoot and eye possible without destroying the vitality of the plants to bud and graft. The next season's trial of these was somewhat disappointing so far as the Manetti was concerned. Those on the Banksia, Cherokee, etc., did won-derfully well. The result was that for the following season I propagated largely by cuttings, and that year the result was entirely satisfactory. And from that time to this, I have tried grafted stock on Manetti at various times, and in various ways with the idea of thoroughly satis-fying myself if there was any advantage in them, and am compelled to admit that up to the present time, including this season, I can find no advantage in them for shallow bench culture such as we follow here. This season we have several patches of Bride, Bridesmaid and American Beauty planted alongside of our regular own root stock and we have not found them yield as many buds or give us any better quality than the own root stock, and they are now growing here for any one to examine them who wishes

Now with regard to the roots of Manetti resisting eel worm I sold a customer who has been badly troubled with this pest for several years a few plants last spring, I saw him a few days ago and he tells me that the grafted plants are as badly affected as the others, but this may be an isolated case.

IOHN N. MAY



# DREER'S "Special Offer" of

# \*SEASONABLE Bulbs and Tubers

IUBEROUS-ROOTED BEGONIAS AND GLOXINIAS. Now is the time to plant for early flowering. Our strain this season is even superior to that supplied by us in the past, having secured control of the stock of two of the most successful European growers, same having been personally inspected by us while in flower.

#### SINGLE TUBEROUS-ROOTED BEGONIAS

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 Separate colors—Scarlet, Rose, White and Yellow.
 \$1 25 per dozen, \$10 00 per 100, \$90 00 per 1000

 Choicest Double Mixed.
 \$1 00 per dozen, \$8.00 per 100, \$70.00 per 1000

#### **GLOXINIAS**

#### FANCY LEAVED CALADIUMS.

 Choice Named Varieties, in 25 sorts
 \$2,00 per dozen, \$15,00 per 100

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#### DAHLIAS.

A fine assortment of 25 Double Unctus, 42 Double Show and Fancy, 20 Pompone, strong field-grown roots, \$1.00 per doz., \$8.00 per 100

#### TIGRIDIAS.

#### MONTBRETIAS.

One of the most desirable of our summer

and fall flowering bulbs, comparatively but

True Dwarf Double Pearl, selected, 4 to 6inch bulbs, 85e per 100; \$7.50 per 1000. little known, but certain to become popular. Six choice named sorts, 35c per doz.; \$2.50

#### TUBEROSES.

#### JAPANESE LILIES.

HENRY A. DREER, 214 Chestnut St., Philadelphia, Pa.



# Offer" of Carnations

ROOTED CUTTINGS.

All of the following are grown from clean vigorous stock and in A1 condition. For full description see our Wholesale Price List. Novelties and Varieties of Recent Introduction

| d                | oz.  | 100     | 1000    | doz,                    | 100     | 1000    |
|------------------|------|---------|---------|-------------------------|---------|---------|
| Bon Ton          | 2.00 | \$10.00 | \$75.00 | John Young \$2.00       | \$10.00 | \$75.00 |
| Empress          | 2.00 | 10.00   | 75.00   | Mrs. Geo. M. Bradt 1.00 | 6.00    | 50,00   |
| Flora Hill       |      | 5.00    | 40,00   | Mrs. James Dean 2.00    | 10,00   | 75.00   |
| Gold Nugget \$   |      | 10,00   | 75,00   | New York 2.00           | 10,00   | 75,00   |
| Harrison's White |      | 5.00    | 40,00   | White Cloud 2.00        | 10.00   | 75.00   |
| Jack Frost., 2   | 2.00 | 10.00   | 80,00   |                         |         |         |
|                  |      | STAN    | DARD    | VARIETIES               |         |         |
|                  | doz. | 100     | 1000    | 107.                    | 100     | 1000    |
| Anna Webb        | 35   | \$2.00  | \$15,00 | Lawrence Thompson ,35   | \$2.00  | \$15.00 |
| Alaska           | 35   | 2.00    | 15.00   | Orange Blossom          | 3.00    | 25.00   |
| Armazindy        | 50   | 3.00    | 25,00   | Portia30                | 1.50    | 12.50   |
| Buttercup        | 75   | 4.00    | 35,00   | Rose Queen              | 2.00    | 15.00   |
| Daybreak         | 35   | 2.00    | 15.00   | Thos. Cartledge         | 2.00    | 15.00   |
| Eldorado         | 50   | 3.00    | 25 00   | Tidal Wave              | 2.00    | 15:(X)  |
| Helen Keller     |      |         | 25.00   | Wm. Scott 30            | 1.50    | 12.50   |
| Times Matters    |      |         | 10.50   | W. D. Claurer 95        | 0.00    | 15.00   |

HENRY A. DREER. 714 CHESTNUT STREET. Philadelphia, Pa.

# Do Not Buy Carnation Cuttings At a less price than it costs to grow them and expect good stock. Our prices are as low as good stock can be sold for.

as low as good stock can be sold for.

| White Cloud                                                 | \$ 2 00<br>10 00<br>75 00 | per        | 100.        |
|-------------------------------------------------------------|---------------------------|------------|-------------|
| Daybreak\$2.0 per 100;<br>Jubilee 3 50 per 100;<br>Eldorado | \$ 2.00                   | per<br>per | 1000<br>100 |

| C. A. Dana | \$ 5.00 | per | 100  |
|------------|---------|-----|------|
|            | 40,00   | per | 1000 |
| Nivea      | \$ 3.00 | per | 100  |
|            | 25.00   | per | 1000 |

| Alaska                                    | \$ 1.50 per 100<br>12 00 per 1000 |
|-------------------------------------------|-----------------------------------|
| Triumph Mrs. McBurney H. Keller Armazindy | \$ 2.50 per 100<br>20 to per 1000 |

# H. F. LITTLEFIELD, Worcester, Mass.

# FVFIIN

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. 🛪 🐼 Surpasses Wm. Scott.

R. WITTERSTAETTER, Sedamsville, O.

#### 50,000 Flat-Grown GARNATIONS

| STRONC STOCK.                     | per lui | per 1000 |
|-----------------------------------|---------|----------|
| Partreak                          | (81.15  | \$15.101 |
| movitt.                           | 2.00    | 15 (4)   |
| No main Colorests                 | 2.00    | 15 161   |
| This wave                         | 1.41    | 12 (#)   |
| Portin                            | 1 #1    | 12.00    |
| Both Bory new                     | 10.06   |          |
| Tutitine                          | o (III) |          |
| MONTH CONTRACTOR                  | 10.00   |          |
| MI YET TOTAL                      | 1.71    | 12.00    |
| 1. Metalogian                     | 1.41    | 12.100   |
| Eldorado Metror                   | 214)    |          |
| Flora H                           | + 111   |          |
| Tricroph Armayleds                | - 17.7  |          |
| Pilitic research inche sam ness b | itti    |          |
| T m florfiere                     | 19 (4)  |          |

Cash with order HENRY A NIEMEYER, Erie, Pa

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Wholesale Florists

Specialties 4,4,4

CHEYSANTEMUMS CAPNATIONS A.A.A AND VIOLETS. 4.4.4

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Premium - 5 Red Wave with every 100 Kathleen Pantlind.

#### A RUST PROOF CARNATION FOR BUSINESS.

Bright searlet and POSITITTLY RUST PROOF. As productive as Scott. Rooted lifteen other novelties of 198, lifteen varieties of 197 and older standard sorts.

GEO. HANCOCK & SON. GRAND MAVEN. MICH.

When writing mention the American Florist.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

#### Indianapolis.

During the past week business has been very good. Many receptions and other social events absorbed all the home grown cut flowers, besides many shipped. Violets even, of which an over supply is reported from most other places, find ready sale in this city.

Several florists are planning changes in regard to what they are going to grow

this year.

H. W. Rieman, who showed such a fine collection of roses at our last chrysanthemum show, will plant Brides, Maids, Meteors and Perles only; Kaiserin, Test-out, Carnot and La France will be dropped, because they do not bloom enough in winter to pay.

The Columbian place conservatory, where roses have mainly been grown, intend raising carnations extensively.

Sonnenschmidt & Junge will diseard carnations and grow only roses and violets.

The Meridian street conservatory, where general stock for market has been grown, will change to a cut flower growing establishment.

The Indianapolis Flower and Plant Company, growers of cut flowers and general stock, have recently developed into a wholesale plant business, which so far, is the only one in town.

This city claims the distinction of a citizen managing four well sized greenhouses with the aid of but one thermometor, which is hanging on the outside of his greenhouse shed.

#### Death of Samuel Edwards.

The funeral of Samuel Edwards, of Mendota, Ill., was held on the 2nd, in that city and was attended by a large number of people. He was 80 years of age and his attainments and knowledge as a scientific horticulturist have made him well known throughout the North-west. With J. T. Little, about the year 1851, he was one of the first to hold the office of secretary in the Northwestern Fruit Growers' Association.

#### 50.000 ROOTED GUTTINGS

OU, OUU INOULL OUTTING

CARNATIONS

Rose Queen, \$1,25 per 100, or \$60 00 per 1000; .lubilee, \$2.50 per 100, or \$30 00 per 1000; II. Keller, W. Scott, Thos. Cartiedge, \$1.00 per 100, or \$5.50 per 100; II. Zele McGowan, 75c per 100, or \$5.50 per 1000; Hardson's White, Eldorado, \$2.00 per 100 or \$5.00 per 1000 per 1000.

CHRYSANTHEMUMS

Two-Inch por \$50 00 per 1000; The Queen, Pink Ivory, \$3.00 per 100, \$30,00 per 1000; President Smitb, Rda Prass, \$2.00 per 100, or \$15.00 per 1000.

Marie Louise \$6.00 per 1000. VIOLETS

Marie Louise \$6.00 per 1000: Double Alyssum. 2-inch pots. 75c per 1t0. Cash with order or satisfactory reference.

PAXTON GREENHOUSES.

C. E. Taube, Prop. Harrisburg, Pa.

# Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS, Oakland, Md.

1 make these low prices to sell out my surplus stock.

OTTO HANSEN, CALEWOOD. ILL.

# NEW GARNATION

# "Mrs.S.A. Northway"

A soft shell pink, developing to nearly pure white.

#### OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation....

PRICE: PER 100. \$10.00.



# Newer Geraniums.

#### GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 214-in. pots, named. \$25 per 1000; unnamed, \$20 per 1000. ROOTED CUTTING, \$12.50 per 1000. Net cash.

# Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100.

#### W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist & & & &

> As originators and introducers of

"Silver Spray," "Tidal Wave,"

"Daybreak," and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

# "Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower. It is free from rust or disease.

It is a profuse bloomer.

It has excedingly strong stiff

It is of exquisite form full and double.

The flower is high built, petals serrated.

The calyx does not burst.

It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants.

SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

NEW PINK CARNATION

SEEDLING from McGowan v Wm. Scott; tested for four years, pleasing color and proved itself as another. SEEDLING from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most profille bloomer. It makes in a short time a fine bushy plant, and has the form and habit of what carmation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower erect without tying of any sort. Calvx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. Rooted cuttings ready now. All orders tilled in rotation. As the sale of the stock of this Carnations will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

Price, \$2 per doz.; \$10 per 100;

\$75 per 1000.

C. BESOLD, MINEOLA, Long Island, N. Y.

# THREE MONEY-MAKING CARNATIONS.

Roper's May Whitely

Daybreak Color, Fragrant,

...and Mayor Quincy

Rooted Cuttings ... Ready Now

The improved Nicholson. Per 10b, \$10; per 500, \$35; per 1000, \$50...

Tailby's Wellesley

Brilliant Scarlet, Crand Constitution. .. Per 100, \$10; per 1000, \$75

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Selling Agent, 67 Bromfield St., BOSTON, MASS.

When writing mention American Florist.

#### Plant Introductions of 1898.

The undersigned respectfully solicits from all those introducing or having a knowledge of the introduction of new plants to the American trade for the year 1898, such descriptions and information as will be of assistance in making up the complete list for the year, which will be published as a part of the record of the Society of American Florists and Orna-mental Horticulturists, as was done last year, but in a more complete form.

Address, WM. J. STEWART, See'v, 67 Bromfield St., Boston, Mass.

LONDON, ONT.-It is claimed that false returns were made in the election of representatives of the Horticultural Society to the Western Fair Board. The matter has been taken into court and interesting developments are expected.

### CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetler), Firefly (Hancock), Pyche (Hill), Panted Lady (Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

### New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.

35c each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

50c each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

#### F. DORNER & SONS CO. LAFAYETTE, IND.

#### <u>ՎԱՍԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱԱ</u>

**Experiences** 

... WITH ...

# **CARNATIONS**

will be cultural as we'l as descrip-tive and sent free to all applicants.

I Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Triumph.

ALBERT M. HERR,

.... LANCASTER, PA.

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# **Rooted Carnation Cuttings**

| (ar) |
|------|
| 41   |
| 41   |
| 100  |
| 50   |
| (8)  |
| 50   |
| 101  |
|      |

NEW CARNATION ....

# Empress

Send for price has of above. New and Standard Sorta....

WM. SWAYNE, Box 226, Kennett Square, Pa.

#### THE NEW .x.x.x.x Cerise Queen «««CARNATION

The best dark pink we have seen or grown. Orders booked now. \$10 per hundred. 24.24

# Mayor Pingree

\*\*FINE STOCK

\$40,00 per 1000.

#### JOHN BREITMEYER & SONS,

DETROIT, MICH. 

WANTED Carnation growers to look into the merits of

and be convinced that it is the coming commercial variety of its color. READY MARCH 1st, Price, \$2.00 per dozen; \$10.00 per 100: \$75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

#### Anybody Can Grow \*\*

Genesee

NEW COMMERCIAL

Originators: HARMON & BURR,

Darien, N. Y.

For Prices, Circulars, etc., address

Carnation

DAN'L B. LONG, Sales Agent, BUFFALO, N. Y. 

# CO., New Castle, Ind.

We grow prize winners. Try our fine strong .\* stock and grow fine flowers.

We are wholesalers of Fine

ROOTED CUTTINGS. \$15.00 per 1000. McBurney...... Flora Hill ...... Mayor Pingree ... \$ 5.00 per 100.

Notice the report of the meeting of the Indiana florists Jan. 20, and see 34 who got the awards

will be paid for any RUST found in our Carnations.

S100 REWARD Will be baid for any RUS1 found in our CarnationsAll Pure and Healthy. Throw out that old RUSTY
Stock, begin anew with clean stock.

Meteor. Storic Courtings No. 1.

Storic Daybreak Storing King Daybreak St

McDONALD & STEELE, 109 S. Washington St., Crawfordsville, Ind.

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott Lazza Metawan, Ivory Silver Spray, Emily Pierson Goldflich, Eldurado and others, Send no a list of what you want and get prices before you law. We also have a line lot of Carnation and Ardet blooms for safe. Write for prices, Address.

#### CHAS, CHADWICK,

GRAND RAPIDS, MICH. Lock Box II.

# FROM SAND OR SOIL

•[ per 100 •[0:00 per 1000]
1 [epar 100, 10:00 per 1000]
1 [0:00 per 1000]
20 per 100, 20 per 1000 SCOLL

CASH WITH ORDER. LAKE GENEVA FLORAL CO., - Lake Geneva, Wis.

Mention American Florist,

#### BAKER'S NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.

RED JACKET—Bright red, line stem and calyx; continuous cropper—\$10.00 per 1000.

Orders booked now to be allied in rotation as fast as

C. F. BAKHH, Ution, N. Y.

| IIAVL a large stock of rooted CARNATION | CUTTINGS in healthy condition of the following varieties, now rendy. Per 100, Per 1000. | Daybreak | \$2.50 | \$20.00 | Portion | \$2.50 | Por

### VICTOR CARNATIONS

- The best pink carmation in commerce, and the most profife bloomer, producing im-mense flowers on long still stems. The plants are of robust growth and clean. We can formula strong cuttings from soil or sand at 2100 per 100, or \$25 00 per 100. Come and see it growing—Cash with order. ٤,

SMITH & SON, Wade Park Ave. & Crawford Road, CLEVELAND, OHIO.

#### Rochester, N. Y.

The demand for cut flowers during the week has been highly satisfactory; in some lines the supply has increased. Violets are quite plenty, so are tulips and other bulbous stuff, but prices have not declined. Carnations are furnished in quantity, still there are none too many; they bring \$1.50 to \$2 for ordinary, and \$3 to \$4 for choice quality. Tulips still sell at \$3 and \$4. Narcissus, \$4. Miniature hyacinths from \$5 to \$6; some indifferent stock sold for \$4. Good freesia can be bought for \$2. Valley, \$4. Tea roses continue scarce as ever, and prices are stiff, good quality brings from \$8 to \$12. Smilax is \$12 to \$15; not much of it in the market, and the same can be said of asparagus.

Business outlook for the near future is very encouraging; weddings and other events call for extensive decorations from now on until the end of the month, when Lent will check gay entertainments to some extent.

Lately the weather has not been very favorable for the plant trade; in severe cold days we can notice always a falling off in this line, but as we now again enjoy a mild spell, sales are improving, especially is this true in all kinds of flowering plants.

Last week a serious accident happened to Mrs. F. Schlegel while out sleigh riding. She is now very much improved, and her many friends are wishing for a speedy and complete recovery. J. B. K.

#### Government Greenhouses Closed to Visitors.

An order was issued January 29, forbidding the admission of visitors to the greenhouses under the control of the Superintendent of Public Buildings and Grounds at Washington, D. C. This action is believed to be due in some part to the crusade against the distribution of flowers carried on by the local florists, and is apparently much regretted by the general public. Some leading florists claim that if the greenhouses were not almost completely devoted to the production of flowers for free distribution, the parks could be kept in better condition at all times of the year.

| Rooted cuttings.<br>Per 100                   | 2-inch<br>Per 10: |
|-----------------------------------------------|-------------------|
|                                               |                   |
| Roses, Bride and Bridesmaid                   | \$3.00            |
| erbenns, 12 varieties                         | 2.00              |
| Inca, (Major)                                 | 3.00              |
| Ame. Salierol Geraniums                       | 2.00              |
| Ageratum, blue and white                      | 2.00              |
|                                               | 2.50              |
| Coleus in variety 1.00                        | 4 00              |
| Andbeckla, (Golden Glow)                      | 4 00              |
| Abuthon, Souv. de Bonn and Echpse.            | 3.50              |
| Moonvines (white and blue)                    | 3 (4)             |
| Salvia Splendens                              | 3.00              |
| Solanum (white)                               | 4 ()              |
| Jmbrella Plants                               | 4 ()(             |
| Calla Lilles                                  | 2.00              |
| Alla littea,,,                                |                   |
| Paris Dalsles, white                          |                   |
| dellotrope, blue                              | 3,18              |
| Begonia Vernon, red                           | 3.48              |
| stock ready now. Terrus cash or approved refe | rancau            |

INDIANAPOLIS FLOWER AND PLANT CO., Central Ave. and 34th St., Indianapolis, Ind.

#### 5,000 SMILAX...

From flats, by mall, 50c per 100, \$4 00 per 1000 From 2-inch pots, \$1 50 per 100, \$13 00 per 100 From 3-inch pots. \$3 00 per 100 Send for samples. Cash with the order.

FREO BOERNER, Cape May City, N. J.

It is good business policy to mention the

#### ....AMERICAN FLORIST

when you write to an advertiser.

# 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings. 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

#### \*\*\*VERBENAS.

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Strong plants, out of 2-inch pots, full of cuttings, \$1.50 per plants, out of 2-then pois, but of cuttings, 41.50 per hundred; fa,00 per thousand.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

# The New Imperial Violet. Perfectly bealthy, very dark green follage, makes few

Perfectly beatthy, very dark green follage, makes few runners, flowers royal purple, on loop stiff stems, exquisitely fragrant, very prollific and the most e normans double flowers ever seen on a Violet. A spiendid keeper and shipper; not over two doz sent to any one order Price \$2.50 per doz. Plants by mail. Address the originator

W. L. MINOR, Brockton, Mass.

Come and see the most superb lot of violets ever grown

### GERANIUM*S* BEGONIAS

#### and FUCHSIAS

SELECT NEW and good oldstandardsorts, the best to be found, up-to-date. 4 40 Varieties Geraniums, 2 25 Flowering Begonias, and a good assortment of Market Fuchsias. \* Let us know what you want and we will quote you prices low enough.

#### J. NICOL ex ex

Oak Street, & JERSEY CITY, N. J.

# GREEN AS GRASS.

#### MAMMOTH VERBENAS

Fine selected stock in separate colors, Rooted cuttings, per 100, 75c; per 1000, §6-00.—Cash with order.

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| CLEMATIS        | Jackmanni, Druryii oz. and others\$3.00  | 100<br>\$20.00 |
|-----------------|------------------------------------------|----------------|
| H. P. Roses     | Strong, 2 and 3 years<br>own roots\$1.50 |                |
| RED JACKET GOOS | EBERRY, large native .75                 |                |

DOWNING, best for general crop, special Prices.

PAEONIES, fine ass't of colors and kin is \$1.25 \$8.00 \$MILAX, extra strong plants.... \$2.50

F. A. BALLER, Bloomington, III.

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12 LEADING KINDS, \$4.00 per 100.

VERBENAS 25 of the best named varieties, Rooted Cuttings, 60c per 100. Express prepaid. Cash with order.

S. D. BRANT THE CLAY CENTER FLORIST, CLAY CENTER, KAN.

STOCK THAT WILL PLEASE YOU.

Carnations in 2-in. pots. Mrs. 8. A. Northway, \$10 Daybreak \$15 a 1000; Flora 11III. Maphedale. \$5 a 1000; Daybreak \$15 a 1000; Elyzle Mectowan, \$12 a 1000; Rose Queen, tine for summer cutting, \$10 a 1000.

Geraniums in 25-in. pots. 8. A. Nutt. La Favorite, M. Alphonse Ricard, Fleur Pottevine, \$4 per 100; Mrs. Breant, M. Alphonse Ricard, Fleur Pottevine, \$4 per 100; Mrs. \$2.50 per 1000; Mrs. Salierol (2-in.), \$20 per 1000. Rose, \$2.50 per 100; Mrs. Salierol (2-in.), \$20 per 1000. STOCK A NO, 1.

TERMS CASIL.

CARL HAGENBURGER, West Mentor, Ohio.

### **BOUGAINVILLEAS.**

Beautiful for "cutting" or pot sale. Free and durable, and blooming for four to six months of the year. Very easily bandled and not subject to any insect pests

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa. 9 miles below Pittsburg. Pa.

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(CHOORS, GERADIUMS, DAHLIAS. SEND FOR OUR PRICE LIST

#### KLONDIKE

Cold Fields at your door. - CERANIUMS.

Gold Fields at your door.—CERANIUMS.

Grown in soil in flats, ready to shift into 3-inch pots. \$15.00 per 1000. S. A. Nutl. Beaute Poltevine, Mrs. E. G. Hill, Van Dnel and Robt. Brett; the same in 2½-inch pots. \$20.00 per 1000.

Standard sorts, such as double Grant. Bruantl. La Fayette, La Favorite. Le Pilot. Gloire de France. Hoff Beech, Wonder. Mrs. J. M. Grant, Jules Ferry. Centanreau and others. \$12.00 per 1000. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. In 2½-inch pots. \$2.50 per 1000. Mountain of Show. Feverfew Little Gem, from flats. \$1.50 per 1000. Per 1000. Per 1000. Feverfew Little Gem, from flats. \$1.50 per 1000. St. 200 per 1000. St

J. E. FELTHOUSEN, Schenectady, N. Y.

# We have an immense stock of all the best varieties; tine shapely plants well budded. 10 to 12-in. Crowns, \$1 (0) per doz. \$20,00 per 100 13 to 13-in. 10 to 10-in. \$1 (0) per doz. \$20,00 per 100 10 in the Golden Marguerite Cuttlogs by mall, \$1 (0) per 100 \$20 per 100 per 100 \$30 per 100 per 1

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### WHY NOT....

Advertise and sell some rooted cuttings or other surplus stock.

THIS SIZE "AD." ONLY \$1.00.

AMERICAN FLORIST CO., CHICAGO.

# GALIFORNIA PRIVET

year old, 12 to 15-inch tops. 6,00 per 1000 year old. 8 to 12-inch tops. 4,00 per 1000 year old. 8 to 12-inch tops. 4,00 per 1000 intimes 6 inches long, tied 200 in burnch \$4,25 per 1000, 25,000 lots, \$1,00 per 1000.

River View Nurseries. O'HAGAN & KING, Little Silver, N. J.

TELEGRAPH CODE

SEED TRADE ASSOCIATION AM.

\$2.00 in either stiff or dexible cover.

> AMERICAN FLORIST CO.. CHICAGO.

#### Care of Azaleas.

ED. AM. FLORIST: Please give some information on the care of azaleas. have them for the first time, and do not know what to do with them for the summer. They were soaking wet on arrival, but many buds were blighted and they dropped their leaves badly and do some

Replying to the above, as to the care of azaleas in summer, it is best to plunge them out of doors in a bed of ashes or any material that will furnish the requisite drainage, and top dress them with thoroughly decomposed stable manure. This is Robert Craig's method of grow-ing this popular and useful plant, and the hundreds of exceedingly fine plants he had out in the full sun at Market and 49th streets last summer, testifies to the wis-dom of this system of culture, and he emphasizes the fact that the manure must be well rotted. Care must be exercised, however, that the plants have completed their growth, and have been thoroughly hardened by ventilating the greenhouses in which they are growing, both night and day, before being exposed to the full sun and the outdoor treatment, and they must never be allowed at any stage of their existence to suffer for the want of water, and this advice especially applies when they are first taken out of doors. It will be found necessary, if at that time the weather be dry and bright, to give them a thorough drenching three or four times a day until they have become accustomed to the new order of things. This is deemed necessary to allow for the greater evaporation which takes place when plants are first taken out of a greenhouse and placed out of doors, and frequent syringings overhead are at all times beneficial in the hot, dry days of summer.

The reason the plants were soaking wet may be accounted for possibly because the shipper found them dry on arrival from Europe, and took the pre-

# WHOLE

Fine collection of varieties including Wm. Agnew, Nymphaea, John Bragg. Obao, Zulu. Beauty of Brentwood. etc., etc. Our selection, twenty varieties to a thousand, \$50,60. Purchaser's selection, twenty varieties to a thousand, \$60.00.

Wm. H. Moon Co.

Gleowood Aurseries

MORRISVILLE,

Bucks Co., PA.

# CHRYSANTHEMUMS FOR 1898

Alice F. Carey, Chempwec, Dolores, Minnewaska, Miss Gladys Vanderbilt, Rnbert G. Carey, Spotswood, at \$3.50 per doz.; \$25.00 per 100, પ્રાપાયાં પ્રાપાયા પાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પાયા પ્રાપાયા પાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પ્રાપાયા પાયા પ્રાપાયા પ્રાપાય

JOHN M. MAY, Summit, New Jersey.

caution to insure their being wet clear through to the center of the "ball", which should be a mass of living roots, before shipping them to New Glasgow. It is nothing unusual for azaleas to drop their old leaves at this season of the year, especially under the circumstances. If they are kept in a temperature, say from 40 to 50° at night for a while and increased as their requirements demand, with lots of fresh air on every favorable occasion, and earefully attended to as to their wants in watering, they ought to

be in good condition for Easter, and make very much finer plants for the same purpose each succeeding year.

Mr. Kisco, N. Y.—At the meeting of the Westchester County Horticultural Society on January 28, William Scott, of Tarrytown, read an interesting paper on "Indoor Culture of Roses." A. T. Marshall was elected president for 1898; Geo. Barton, vice president; Michael Green, treasurer and Herbert Spavins, secretary.

# Two Great Sports

**CARNATION** 

#### VICTOR

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly benithy and of vigorous growth. Rooted cutting thow ready \$4.00 per 100. \$55.00 per 1000. Come and see this carnation growing.

**CHRYSANTHEMUM** PENNSYLVANIA

The finest yellow for cut blooms or exhibition pur poses ever produced Plants rendy March 15, \$5.00 per doz.; \$35.00 per 100; \$250 00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

#### THE SENSATION CHRYSANTHEMUM FRANK HARDY. ''' OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited #2. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade.

Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, \$3; per 100, \$20; per 1000, \$150. 25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON, FLDRHAM FARMS, - - MADISON, NEW JERSEY

"BOSS" Chrysanthemums WM. H. CHADWICK—The grandest white novelty of the season. THE YELLOW FELLOW—Winner of \$100 Stearns bicycle prize. MADELINE PRATT—"As pretty as ber picture."

Grove P. Rawson, Elmira, N. Y.

# PEAGOGK'S Prize Winning Dahlias

#### All the Newest and Best Varieties

It has to hay from the leading grower. We grew more than 26 neres of Dahlias the past season more than any live (5) other growers in the world combined. Write us for wants and prices before purchasing elsewhere.

Our 1898 illustrated descriptive entalogue accurately describing all the leading new and old varieties is now in the printers hands and will be sent about Feb. 1st to all who received our 1897 list without application. Send for it, it will interest you.

W. P. PEACOCK, Atco. N. J.



#### 30,000 DAHLIAS

Before ordering your Dahlia stock be sure and send for my catalogue novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W. WILMORE, Box 382, DENVER, COLO.

# Jardinieres, Pots@Pedestals



Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

#### Denver.

The unusually dull cold weather of December and January has held back the roses and carnations, making the supply rather short; but the bright February sun will make them more abundant.

In looking round among the growers, bulbous stock has been planted late, probably because of the coming of Easter late this year. This seems a mistake especially with Von Sion, as it is always a popular flower for early decorations, and not an especial favorite for Easter.

There is a great complaint about Bernuda lilies, many of them coming blind. One grower said one-half of his would prove worthless. Valley are fine now and the first crop of lilacs appearing reminds one of approaching spring.

Society has been quite gay, and small decorations numerous. One table at an afternoon tea was a little out of the ordinary, the table was against curtains at the side of the room and a background made of palm leaves and white antirrhi-num, caught with large French bows of green and white ribbon, the ends of this brought well to the front of the table, with an immense bow in which were mingled valley and fern; on each side of this were silver filagree baskets of valley, and in the center a vase of mammoth mignonette. The effect was cool and light, and quite appropriate for the cream and frappe which were served there by two pretty girls in green and white costumes, adding not a little to the attractive effect.

Thomas Chapman of the West side, and John Davis of the Gallup Floral Company, seem to be running a race on pansies counted not in thousands but in ten thousand lots; we wonder who will come out ahead. Mr. Chapman grows altogether in beds, Mr. Davis in cool houses until they can go in cold frames.

The Park Floral Company are showing some fine cyclamen plants which sell well, cinerarias and azaleas are just coming in and are selling well.

#### Morris, Ill.

The Morris Floral Co. under the management of Mr. Mitting has one of the most progressive establishments in this section of the country. The houses are new and modern in every detail. Mr. Mitting does not believe in false economy in building greenhouses, but thinks the best is the cheapest in the long run.

# Aster, Verbena & Pansy Seed

Trullaut's peony-flowered Perfection, mixed, 4 oz. 30 cts 1 oz. \$140.

Truffaut's peony-flowered Perfection, mixed, in separate colors, pure white, light blue, rose and white, and bright red, 14 oz. 50 cts., 1 oz. \$1.50, or 1 oz. of each of the 4 colors for \$5.00.

Princess or Snowbalf (Aster), pure white, 14 oz. 75 cts. 1 oz. \$2.50.

Mammoth Verbena, 100 colors mixed, 14 oz. 30 cts. Mixing's Pansy large flowering at a cts.

Mitting's Papsy, large flowering, choice, 14 oz. \$1.00. 1 oz. \$4.00.

#### PLANTS.

Alternanthera aurea nuna and P. major, 24 ln., strong \$2.00 per 100 \$15.00 per \$1000.

800 Robin Hood Carnation Cuttings to spare, strong and healthy, large scarlet, \$3.00 per 100.

500 Mrs. Chas. Duhme @ \$4.00 per 100.

500 CM. A. Dana @ \$4.00 per 100.

\$500 Wm. Scott @ \$1.00 per 100, \$7.00 per 1000.

5000 Colons, 20 choice bedders, 24 ln., \$1.50 per 100.

Lycopodium Denticulatium, 24 ln., \$2.00 per 100.

Our Crowers' Trade List now ready.

# THE MORRIS FLORAL GO. Morris, III.

He finds the demand for rooted cuttings is phenomenal in the new varieties of carnations, and in miscellaneous stock.

Mr. Mitting's experience with rust may convey a useful hint on the suppression of this pest. He has noticed that where the carnations are planted on high ground, in well drained soil, rust is not common; while in his lower ground, in a more marshy soil, rust is exceedingly troublesome. His Jubilees from the high ground are almost free from rust. His new clear yellow carnation Gold Pearl was cut down for propagating so that I could not see the blooms, which was a great disap-JAMES HARTSHORNE. pointment.

#### Bloomington, Ill.

The death rate among prominent people the past month has been unusually large. The receiving vault of Evergreen Cemetery has been literally lined with designs and bouquets. Probably the greatest number was at the funeral of Dr. Hallam, a prominent physician and member of secret orders. One design that attracted attention was from the Knights Templar, made by Mr. J. D. Robinson.

Mr. Hemptead is preparing to rebuild and enlarge his greenhouses. Mr. Hemp-stead is a hustler, and deserves the success he apparently has.

I see Mr. A. J. Graves, superintendent of Evergreen Cemetery, has built a greenhouse; it is to be used as a conservatory to keep and raise plants for the cemetery. He has the finest lot of coleus I have ever seen.

I hope to see everybody at theearnation exhibition next week. JAY.



The Best the World Produces. & Complete Stock

A few extracts from our FLORISTS' LIST just published. If not received, write for it.

ASIERS, Truffaut's Perfection, Victoria Comet, Queen of Market, Mignon, separate colors or mixed. 25
Begonia, New Dwarf Vernon. 15
Centaurea, Marguerite, white, new. 25
Balsam, White Perfection, oz., \$1.00. 10 Salvia, Clara Bedman......25 
 Stock, Cut and Come Again
 .25

 Verbena, Mammoth, oz , \$2 00
 .25

W. W. BARNARD & CO., Seedsmen, CHICAGO.

#### August Rolker & Sons, 52 Dey St. New York.

#### August Rölker & Sons, 52 Dey St. New York.

It will be better for everybody if you mention the American Florist when writing advertisers on this page

#### WRITE

# R. & J. FARQUHAR & CO.

\*\*SEEDSMEN\*\*

16 and 19 South Market Street, BOSTON

FOR THE CHOICEST AND BEST NEW CROP

# FLOWER SEEDS

Neponset Paper Flower Pots, Pure Sheep Manure, and All Florists' Supplies. . . .

Catalogues mailed free.

#### EXTRA CHOICE FLOWER SEEDS.

List free on application. FRED. ROEMER, Seed Grower, ... Quedlinburg, Germany.

#### Grafted Roses.

On page 702 of the AMERICAN FLORIST of January 29 is a short note on grafting Belle Siebrecht rose.

I have had some experience with this variety grown on benches, in solid beds, grafted and on own roots. My experience with it has given me the opinion that it is no good for winter blooming.

The first year this rose was sent out I planted one hundred, own roots on a bench, but after the first few strong shoots, which were usually sent up in November, nothing but short miserable stems were obtained. I then concluded it should be gratted on some good vigorous stock to produce the necessary long stem.

The following February I grafted some 400 plants on the Manetti stock; they were grown on in 4-inch pots and planted in a well prepared solid bed in July. The bed in question was 6x100 feet, five rows of grafted plants, and one row of own roots were planted.

The grafted plants started off strong and vigorous and by November 1 had thrown up many strong shoots from the

hottom two feet long.

I then congratulated myself that I knew how to manage this rose that so many people were condemning, but alas! by December 1, very few long stem roses were seen, and by January 10 most of the plants were pulled up and consigned to the rubbish heap. They made scarcely any growth during December and what few flowers were cut were such short stems they would scarcely pay for shipping. To my mind L. is correct in saying the scion has as much, or more to do with the inclination to rest as has the stock upon which it is grafted.

The "Belle Siebrecht" rose is one of the best outdoor roses we have, but for winter forcing it does not come up to our standard varieties. W. W. Coles. standard varieties.

#### Grand Rapids Florists' Club Banquet.

The third annual banquet of the Grand Rapids Florists' Club was held at the Eagle hotel February 1, and was the most successful yet held. Our worthy presi-dent, N. B. Stover, passed round the

dessert in the shape of a brief history of the club since its organization on March 19, 1895. The programme of the evening consisting of recitations, songs and piano solos, was carried out without a hitch, reflecting great credit on the committee of arrangements, Wm. Cunningham, J.A. Creelman and Eli Cross.

The next meeting will be held at Alfred Hannah's, on East street, near Burton avenue, on February 15, in the afternoon. The florists will go early, so as to inspect the greenhouses before meeting.

F. A. Chapman recently had his violet house frozen, and some others had to sit up nights to keep the boilers warm.

A. L. Vaughan, of Vaughan, McKellar & Winterson, is in town canvassing the boys for orders in almost any line you please, as is also the agent of the Dayton Paper Novelty Co., of Dayton, Ohio. GEO. F. CRABB.

#### Kansas City.

Under a provision of the city ordinances owners of greenhouses are subject to a \$25 a year license. A committee protested to the city counselor against the license ordinance without avail.

The ordinance is a double taxation, as greenhouse men pay wagon licenses at the market each day for selling their produets, and this license alone amount to from \$50 to \$80 a year. A remonstrance will be filed with the council.

#### Fresh American Beauties in England.

-, the rose-grower, has solved the problem of packing American Beau-ties. Some time ago he had an order for a huge bunch of this variety from a lady who wished to take them to Europe with her. In packing the roses Mr. —
inserted each of the long stems into a potato, and on their arrival after the yoyage they were found to be as fresh as if they had just been taken from the greenhouse. In a letter the lady said that the flowers kept well for a number of days after her arrival, and their beauty was greatly admired by her English friends .-Clipping

And then the lady could have the potatoes hoiled or fried after they had done duty as above. This point seems to have escaped the reporter. No Chicago newspaper man would ever have missed it.—ÉD.

#### NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 212-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

H. WEBER & SONS, Oakland, Md.

# Rooted Cuttings...

Am. Beauties, Brides, Maids, V. Kaiserin, Perles, Belle Siebrecht, Metcors. Same in 2-in. pots ready Feb. 15th to 20th. Send 50e for samples and get prices.

GEO. A. KUHL, Pekin, III.

Carnation Cuttings ready Feb. 1st.

New American Rose ....

#### MRS. ROBERT GARRETT

As one of the syndicate holding stock in this rose we offer first class plants, from 2%-inch pots, to be de-livered on and after March is 1.88s. at the agreed price of \$3.50 per doz., \$25.00 per 100, \$225.00 per 1000.

AMERICAN ROSE CO. WASHINGTON, D. C.

### 300,000 YOUNG ROSES 300,000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers.

Send for prices.

The National Plant Company, Dayton, Ohio.

| Bridesmaid | * * |     |                    |
|------------|-----|-----|--------------------|
| Brides     |     |     | <br>51.50 per 100. |
| Perles     |     | * * | \$12.50 per 1000   |
| La France  |     |     | <br>Cuttings.      |
| Meteors    |     |     | Cottings.          |
| Kaiserin   |     |     |                    |

CARI
William Scott
Nancy Hanks
Tidal Wave
Portis
Lizzie McCowan
Kohinoor
Mrs. Thompson
Daybreak
Emma Wocher
Meteor
Coldfrinch
Lizzie Cilbert
Harrison's White
Bridesmand CARNATIONS. \$1.00 per 100. \$7.50 per 1000 \$1.50 per 100. \$12.50 per 1000 Brideamaid Nives

rideamaid ivea \$3.00 per 100; \$25.00 per 1000, ibilee \$2.00 per 100; \$15.00 per 1000, fora Hdf \$4.00 per 100; \$15.00 per 1000, \$5 det for less that the force watlets accepted

FINE ROSE PLANTS

REINBERG BROS., 51 Wabash Avenue, CHICAGO.

MAIDS, BRIDES, METEORS, KAISERIN, HOSTE, MON-GAN, CARNOT, Grafted on Manetti and

ONLY TO ORGEH. Ph/95 H (0 per 100 per 100)

H. F. LITTLEFIELD, Worcester, Mass.

| Ro                                       | ses                                                                                              | Roses          | R                                                                                | oses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | BRIDE<br>BRIDESTIAID<br>METEOR<br>PRES. CARNOT<br>PERLE<br>SOUPERT<br>MOSELLA<br>25 Other Choice | 20 s-inch Pots | Per 10<br>\$2.50<br>2.50<br>3.00<br>4.00<br>2.50<br>3.00<br>2.50<br>3.00<br>3.00 | 1000   \$\tilde{w}\$   \$22,50   \$\tilde{w}\$   \$22,50   \$\tilde{w}\$   \$25,00   \$\tilde{w}\$   \$35,00   \$\tilde{w}\$   \$25,00   \$\tilde{w}\$   \$25,00   \$\tilde{w}\$   \$25,00   \$\tilde{w}\$   \$\ |

CUTTINGS

# ..ROOTED

| So scrub wood used. All stock thoroughly rooted  | and           |          |           |       | From 23     | g luch Pots |
|--------------------------------------------------|---------------|----------|-----------|-------|-------------|-------------|
| enrefully packed when sent out. Send for sample  |               | Pasr 100 | Per 1000  |       | Per 100     | Per 1000    |
| AMERICAN BEAUTIES, Rooted Cut                    |               | \$2.50   | \$100 OO  |       | \$1.00      | \$35,00     |
| BRIDES                                           |               | 1.50     | 12.50.    |       | 2.45        | 20.00       |
| BRIDESMAID                                       |               | 1.50     | 12.50     |       | 12.125      | 30.00       |
| METEOR                                           |               | 1.50     | 12.50     |       | 13.123      | 20,00       |
| EAISERIN                                         |               | 1.5E     | 19.50     |       | 2.25        | 20.00       |
| PERL                                             |               | 1,50     | P2.50     |       | 2.25        | 20,00       |
| to run exclusion and regular or equals in fit to | $\ominus$ $D$ | Phint    | s from 20 | -Inch | pols ready. | March L     |

J. A. BUDLONG, - STATION X. CHICAGO, ILL.

#### Bulbs In North Carolina.

ED. AM. FLORIST:-In reply to your request of the 27th in regard to bulb culture in North Carolina, I have to say that we are continuing our experiments in this line. I have never had means enough at my disposal to test the matter on a scale sufficiently extensive to attract attention in the market. We have demonstrated that we can grow here most of the bulbs now imported for forcing, of as good and better quality than the imported. This is particularly true of the Lilium candidum, which grows to an astonishing size and perfection of bulb. Tulips also do well, and we have had some handsome breaks in the so-called Darwin tulips. Lilies become weeds in the field from the scattered scales left in the ground at digging, We have done but little in the way of testing the Bermuda lily, but feel sure we can grow them in time for forcing and can grow good bulbs. Freesias do splendidly in frames with no protection but the glass sashes. Our Narcissus Tazetta bloomed in water ahead of the imported Chinese bulbs. Roman hyaweeks now in the open ground, make splendid bulbs, some as much as six inches.

An experiment made in the eastern part of the state by a northern dealer failed, not because of the soil or climate, for the bulbs were very fine, but because the grower did not understand the curing, and had them to gum. We have grown and cured Romans that made eight spikes under glass. Narcissus Von Sion in the sandy soil of our Southern Pines station is rapidly outgrowing the green flower that was prevalent on the bulbs when imported. The bulbs are not as large as those grown here in loam soil, but are bright and solid, and force well. Gladioli do not do well in the locality where the tuberose is such a success, but in the upper country and among the western mountains they reach great perfection. The high plateaus of the upper French Broad in Transylvania county will be the place of all others for the culture of all the hardy azaleas and rhododendrons. The mountain sides there are solid thickets of Rhododendron maximum, and higher up Catawbiense forms dense thickets, and the flame-colored azalea and A. Vasevi are also common. Mollis and the Ghent azaleas would find a congenial home in the deep black soil of this plateau, elevated 2,500 feet above the sea. The climate there would be too severe for the Chinese azaleas, but in the eastern part of the state there are vast areas of black peaty soil, where the Chinese azaleas flourish like the green bay tree. They do well here, but suffer from drought in our clay soil. From this eastern section too, where the gardenias grow to tree-like stature, the shipping of cut blooms in summer to watering places could be made a paying business. With the varied climate and soil of North Carolina there are places for almost anything from a palm tree to a hemlock and white pine.

Down on our lower coast the palmettos grow as tall in the forest as in Florida, while in the high lands of the western part of the state the forest growth of Canada prevails, In the long sunny slope to the sea between these two extremes there is place for almost any product. I am hoping to interest some one in the bulb culture to the extent of putting money into it. Our people are slow to take to new things and want to see returns at once, and few have the means to go into bulb culture, and still fewer know anything about it.

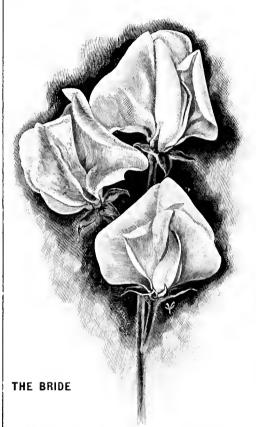
culture of most of the winter bulbs is so different from that of the tuberose that the tuberose growers are slow to catch on, though they might grow some of them very successfully. About the only things they grow to any extent are tube-roses and Caladium esculentum. If the Department at Washington would let the stations have some of the money wasted in free seeds to extend the work in bulb culture a great industry could soon be established here.

W. F. Massey.

BUTTE MONT.-Trade has been good for the month of January, especially in funeral work, as there has been an epidemic of suicides, murders and accidental deaths. Most stock is shipped into the city from a distance, but such stock does not fill the bill as there are many good judges of flowers among the buyers here. Law Brothers & Day will build two new houses 20x100 feet each this spring. The Silver Bow Floral Co. have given up their retail store.

SMOKE EATER.

#### WEET PI THREE NEW **CALIFORNIA**



Originated by M. Lynch, Menio Park, Calif.

m. Lynch, Menlo Park, Calif.

THE BRIDE This beautiful large, white-seeded variety is the best White Sweet Pea to date. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white-seeded varieties—so often poor growers. Grown for the eut-flower market of San Francisco in competition with the other high class whites, it has brought the highest figures over them all, taking first rank among all the whites, The flowers are pure white of fine substance, large and of true grandifloratype. Beside this every seed will grow. Perfect flowers were cut as early as April 16 last year. Price, per ib., \$2.00; 1-4 lb., 60c; oz., 20c; pkl., 10c.

20c; pkl., 10c.

The Cornell Bulletin in naming the best Sweet Peas of each color, classes The Bride first as a white, with Emily Hendersoo second and Blanche Burpee third.

Frank Pelleano, a leading florist of San Francisco, stated: "We can sell more Bride Sweet Pea blooms than those of any other variety which we have ever handled."

Prof. Tracy, in a recent review of some of the newer Sweet Peas says: "The especial merit of this variety (The Bride) is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, being one of our best sorts in these respects, and forming an exceedingly graceful bunch."

EMILY LYNCH The earliest of all Sweet tra Early Blanche Ferry it was in bud in & days, while the latter showed no sign of buds at that time. It blooms two weeks earlier than Extra Blanche Ferry. The standard is plak, sbadfar to bright rose, wings bull suffused with pink, Grandiflora style. A great advance on Duke of York. Price, 1-4 lb., 60c; oz., 20c; pkt., 10c.

CALIFORNIA This is the best "self-color" in break Carnalion, the lightest self among all sweet Peas. The form and size are perfect. Rev. W. T Hutchins says of it: "It is different from all our other self-pinks and a good thing." Price, I-4 lb., 60c; oz., 20c; pkt., IOc.

Mr. Lynch has sent us his entire stock which we offer to the trade as above.

14 BARCLAY STREET, NEW YORK.

VAUGHAN'S SEED STORE,

84 & 86 RANDOLPH STREET, CHICAGO.



SOW NOW

BEGONIAS of the Semperflorens type, of which "Vernor" is a shining example. We have some improvements upon the good old Vernon that we desire everybody to try. Here they are:

CRIMSON GEM

CORAL

DUCHESS OF **EDINBURG** 

GEM

MIXED

One of the most effective Begonias of the Semperflorens type; excel-lent for bedding; the flowers are of a rich red, and the foliage crimson bronze
\$1 00 per trade pkt.......50c per half trade pkt

A distinct and attractive flower of a pale rose or peach color. The habit of the plant is remarkably good, and the plants bloom pro-

An exceedingly beautiful and profuse blooming Begonia. The plant is robust and has proved to be almost a continuous bloomer. Flowers white, suffused with pink, and twice the size of the ordinary B. Semperflorens. \$1.00 per trade pkt.; 50e per half trade pkt.

\$1.00 per trade pkt..... . 50c per half trade pkt

This is American saved seed, and the germinating tests are most satisfactory. It comes up quickly and the little plants grow with great rapidity. Seed sown now will make line plants for Spring sales. Order at once, and a leaflet "How to Grow Begonia Semper-Ilorens from Seed" will be sent with each order.

Cash with the Order. Money Order P. O. Station H.

#### A. H. LONSDALE & CO.,

Specialists, PHILADELPHIA, PA.

California Grown Rose Plants for the Easter Market.

The Jackson & Perkins Co., of Newark, X. V., speaking of their experiment in growing roses in California advise us as follows:

We have sent about 150,000 young roses to California to be grown and they are thus far doing very nicely indeed. These were all propagated here, but as soon as we get matters in a little better shape we expect to have the propagating done entirely in California.

We experimented with rose growing a little there last year, sending 10,000 plants then. They came back to us with an amount of growth upon them that was perfectly surprising. La France, American Beauty and Mrs. John Laing which are very slow growing sorts ont doors here and of which, it is impossible to grow very strong plants even in two seasons, will, in California, make plants three feet or more in height in one season.

The bulk of our planting in California this season has been of the more moderate growing H. P. varieties. We also planted quite a quantity of H. T.'s and Bourbons, including Wootton, Etoile de Lyon, Malmaison, etc., and we are working up a considerable stock of forcing roses. We believe that we can get some fine strong plants of these varieties and have them sent East ready for sale by about holiday time.

We are also trying about 40,000 elematis, believing that we can produce some exceptionally fine strong plants there. There is nothing quite equal to the convenience and value of having water right at hand to turn on whenever it is needed,

instead of having to depend upon rainfall. We do not believe that the plan of growing roses in California from field rooted cuttings will ever be very successful as it is altogether too uncertain. Oecasionally a very good and fine erop can be secured, but more frequently one is obliged to cultivate and irrigate about three times as much land as is covered by the proportion of plants that live and grow. All of our roses will be grown from one eye cuttings, rooted in beds and transplanted to the fields afterwards. We find that this makes a much more symmetrical, stocky and well-rooted plant, than ean ever be obtained from long field-rooted cuttings.

MITCHELL, S. D.—Trade has been good and prospects are rosy. There will be quantities of shrubbery and ornamental trees put out in the spring.

# **Boilers**

OF HIGH GRADE..

For GREENHOUSES.

See our Catalogue.....

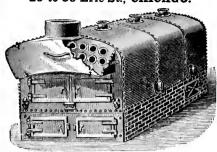
Steam and Hot Water.

Giblin & Co., Utica. N. Y.



GREEN-HOUSE HEATING. MYERS & CO. 1518 & 1520 S. 9th St. PHILADELPHIA. Bend for catalogue and price list.

# KROESCHELL BROS. CO. Greenhouse \* Boiler, 29 to 59 Erie St., CHICAGO.



Bollers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

#### NEW & SECOND-HAND MATERIAL.

purchased from Sheriff, Receiver, and Assignee sales at less than one-half prices. Pipe and Fittings, Hose, Florists Wire, Hot Water Heaters, Greenbouse Bollers and Engless, Rope, Light Wrought Iron Pipe, Glass Sash and thousands of other articles, for sale by

CHICAGO HOUSE WRECKING CO.
Largest Mail Order Depot for New and Second-Hand
Material in the World.
W.35TH & IRON STS., CHICAGO.
Write for our free Illustrated catalogues.

### THE ESLER HOSE IS THE BEST

It is used by the leading Florists and is giving satisfaction. Try it and be convinced. For price Address.

J. G. & A. ESLER, Saddle River, N. J.

# LAST CALL FOR NAMES

3 3 3 TO BE INSERTED IN 3 3 3

# THE AMERICAN FLORIST COMPANY'S DIRECTORY

Of Florists, Seedsmen and Nurserymen to which are added lists of Parks, Park Superintendents, Cemeteries and Cemetery Superintendents. A complete list of all persons in the above trades in the United States and Canada, by towns; also a complete list of the same names, alphabetically arranged.

SEND US YOUR BUSINESS CARD OR LETTER HEAD OR ANY OTHER PRINTED MATTER, AND WE WILL SEE THAT YOUR NAME IS INSERTED FREEOF CHARGE

A LIMITED SUMBER OF ADVERTISEMENTS FOR THIS DIRECTORY WHE BE ACCUPTED RATES ON APPLICATION.....



American Florist Company
324 DEARBORN STREET,



Chicago.....

# WHAT WE KNOW

ABOUT GLASS

Send for them.

🔞 🌣 🕹 JOHN LUCAS & CO., Philadelphia.

#### Omaha.

Thanks to the courtesy of a local florist, the writer spent last Monday visiting the various floral establishments of this thriving western city.

As a rule the florists seem to be in the best of spirits and they aver that they have nothing to complain of, for the trade is about equally divided, and business prospects are brighter than they have been for years past. Of course there are a tew pessimists who are grumbling at the "deterioration of the business" (they do not take the Florist, however), but the hustlers are decidedly optimistic and seem serenely confident of the success which is theirs by right.

As there are no street fakirs in the place, and but little competition compared to its size, the prices should be much better; the leading florists are struggling at the present time to establish a higher standard in this direction. To one accustomed to Eastern prices it seems ridiculous that good stock must be sold for almost less than Chicago wholesalers can market it; but as in other places, the feeling among a certain class of florists is to undersell on the threadbare plea of holding custom.

The Florists' Club which was recently organized is doing much to promote a fraternal spirit of good fellowship, and it is hoped that in the future there will be more co-operation than there has been in the past.

Every one is looking forward to the convention of the S. A. F. in August, and many schemes are being devised for royal entertainment. Bowling is also becoming quite a favorite sport here, and the thirty-six members of the Florists' Club contemplate organizing a bowling club and fitting up rooms before the convention takes place. Forewarned is forearmed.

It was the writer's pleasure to spend a delightful hour in the hospitable family delightful hour in the hospitable family of A. Donaghue, vice-president of the S. A. F. Mr. Donaghue has practically retired from the business, and his son, A. Donaghue, Jr., has charge of the entire concern. Their greenhouses are in particularly fine condition. Mr. Donaghue, like the majority of his brother florists, is planning everything to meet the needs of the coming exposition. Mr. Donaghue has a fine lot of cinerarias and freesias just coming into bloom. His freesias just coming into bloom. His roses are excellent. The Beauties, Brides and Maids are grown in a short span to the south house, but Mr. D. affirms that he can see no real value in the short span roof.

Lewis Henderson has some good houses, and is doing a very fair business. He is in the vicinity of the packing houses, and much of his trade comes from these establishments. Mr. Henderson, who, by the way, is one of the managing directors of the State Horticultural Society, has carried off first premiums for floral designs and exhibits at the S. H. S. fairs for a good many years. He has an interesting display of cloth flowers in his window that are made so perfectly and arranged so artistically that they look very natural. This is the work of his clerk, Joseph Dunn. Mr. Henderson expects to take a special place at the Trans-Mississippi for

Petersen Bros, have a fine lot of Easter lilies coming on. There are a few uneven ones, as has been the case for the past few years, but the cripples are soon thrown out and the stock well kept up.

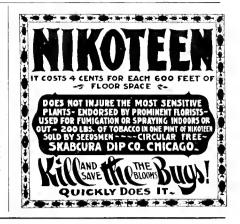
Hess & Swoboda expect to make some improvements in their greenhouses this

spring. They seem to excel in good azaleas and violets.

Under the firm name of J. W. & E. E. Arnold, Miss Cassie Arnold is conducting a magnificent business, and she deserves great credit for the success she has already achieved. Miss Arnold is a very young woman (the writer forgot to ask her age), but she is thoroughly capable and genial, therefore she has built up a fine trade in a short time. The Arnold store is about to be handsomely refitted.

The demand for cut flowers seems to be more than the supply, for although the majority of dealers grow more or less stock they are obliged to call upon J. F. Wilcox, of Council Bluffs, frequently.

L. DEW.



(Copyrighted)

# Kraft's Plant Tonic

For PLANTS, PALMS and FLOWERS

... A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale..

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soit and pliable, and a beautiful bright green.

For sale at\_ 84 & 86 RANDOLPH STREET, CHICAGO.

VAUGHAN'S SEED STORE,

14 BARCLAY STREET, NEW YORK.

Price per bottle, 25 cents.

# Jadoo Fibre and Jadoo Liquid

are to-day being sold by the leading SEED HOUSES and are used by prominent GROWERS and FLORISTS.

You Cannot Afford to Grow

Plants Without Them

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Send for particulars and be convinced

The \_\_\_\_ American Jadoo Co.

815 FAIRMOUNT AVE.

...PHILADELPHIA. PA.

#### HAMMOND'S TOBACCO THE OLD ORIGINAL.

OLD TOWN FARM GREENHOUSES

OLD TOWN FARM GREENHOUSES.

COR. SARGEANT & ATWOOD STS.

Hammond's Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y.
Gents—L send check for amount of enclosed bill, and think I shall need more of the Tobacco Extract for further trial. TWES PARAS CAN BEAUTOBED IT IS THE BEST EXTRACT I EVER HAD. Let It come by freight at once, as we have two houses longing for a dose.

SOLD BY WHOLESALE SEEDSMEN.

# STEMS DUST

VAUGHAN'S SEED STORE.

Chicago. New York.

#### A COMPLETE AND ATIVE GUANO NATURAE LETILIZER FOR . . . . (Desiccated Night Soil)

Gardeners and Florists. SOLUBLE, QUICK TO ACT, PLEASANT TO HANDLE.

#### STANDARD FERTILIZER CO. Inc.

1822 Filbert Street, Philadelphia.

# Scollay

Sprinkler.... INDISPENSABLE

J. A. Scollay, Maker, A. Scone, 74 Myrtle Ave. — N. Y.

Brooklyn, N.

VAUGHAN'S SEED STORE, Gen'l Weslern Agents, 34 Randolph St., CHICACO.



#### Helpful Reminders.

It is now time to bring in a few of each variety of bulbs potted or boxed weeks ago, which have made considerable root by this time. It is a good plan to bring in a few each week, unless you have taken care to use only the special varieties of hyacinths for early flowering. You will have a few that show color before the spike rises above the ground, particularly among the double varieties. Invert a B-inch pot over the spike; this will draw it out some. These same varieties will do well for you if held back until March, so if you have them under name, bring in one of the earliest varieties now.

It is time to sort your hydrangeas about the middle of February, so bring them in from your cold house; you will notice they are beginning to push out leaf buds. We went over all of our plants last September, shifting those that were not housed. If you did not do so that depot bound. If you did not do so then do so now; clean off all the dead leaves, and be sure the drainage of each plant is perfect. Place them in a house where the temperature is not above 50° at night, and 60° to 65° day time; as we get into March and Aprilincrease the temperature, maintaining the same ratio as compared with weather outside.

If you have large specimen plants three to six feet high for decoration and not wanted before June, hold them at least two weeks later in the cold.

When you place hydrangeas in position for spring growth, be careful. plants you can put together as pots will stand at first, and separate later. With a hydrangea it is economy to get it just right at once, so that it will not be moved one inch until ready for market.

When you provide violets for next season, remember that odor is an essential, and size another. Procure some of the oldfashioned English single varieties that are so very fragrant; treat same as the other varieties. When bunching the violets for market, put in four or five of these strong scented single flowers without extra charge, or even mentioning them, and see how quick you will get a reputation for having fresh and the sweetest violets.

There is one plant, old-fashioned, which should be cared for now, the lantana. Shake out the old plants and put in a few cuttings by selecting two or three cuts, training to standard just as you grow standard chrysanthemums. When two or three years old, they are quite pretty. Summer or fall they are a novelty in your store for days, or for some decoration you can trequently hire them out. Very often you can sell a number for a good price

The maintophyllum needs a cop area ing by March 1, or some earlier. If you have some very large chumps and the decide them, do so at once. They The munitophyllum needs a top dressdo not stand separation very well, and re also set back in the operation. not divide all you have in one season; it is best to have a few each year that larve not been tampered with at the root; g or the balan co good rich top dressing and be shie dramage is good, water freely

# THOSE RED

FILL SIZE AND WIND BOTTOMS BULB PANS AND AZALKA FOLS

DETROIT FLOWER POT M'F'Y, HARRY BALSLEY, DETROIT, MICH., 490 HOWARD ST.



# SYRACUSE POTTERY CO. Flower Pots,

#### Bulb Pans, Hanging Baskets and Saucers

OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned, Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

### STANDARD FLOWER

Seud for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage. A FULL LINE OF BULB PANS.

THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa. BRANCH WAREHOUSES: { Kearney and Westelde Aves., Jersey City, N. J. Jackson Ave. and Pearson St., Long Island City, N. Y.

We are general agents for all varieties of flower pots and make a specialty of FLORISTS STANDARD POTS

Mnnufactured by BRAZIL POTTERY & CLAY MFG. CO., Brazil, Ind. Breath Potter & Clay Mrg. Co., Brazil, ind.

Being centrally located we can save you freight. Also headquarters for FLORISTS SUPPLIES. Write us for price lists
and we know we will get your order.

VAIL SEED CO., 150 No. Delaware St., INDIANAPOLIS, IND

# Standard Flower Pots...

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

12 Write us before placing your orders elsewhere. . . . . . .

CAMBRIDGE TILE MFG. CO., Covington, Ky.



#### STANDARD STANDARD FLOWER ....

We Manufacture a full line of Standard Flower Pols, Hanging Vases Lawn Vases, Seed Pans and Cylinders, glazed and with handles.

SEND for our price list before ordering else-where and save 25 per cent. ADDRESS

Hilfinger Bros. Pottery, Ft. Edward, N. Y.

#### FLOWER POTS

#### A SPECIALTY STANDARD POTS

List and SAMPLES FREE.

J. G. SWAHN'S SONS, MINNEAPOLIS, MINN.

very strong and unusually porous. Write for prices and terms

THE IONIA POTTERY CO., Ionia, Michigan.

Mention American Florist.

Good Railroad Facilities KELLER BROS. For Shipping.

Special Attention Given to
Mail Orders, and Special
Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.



GEO. KELLER & SON. MANUFACTURERS OF

Flower Pots.

Before buying write for prices. 361-363 Hernden Street, near Wrightwood Ave., CHICACO, ILL.

Mention American Floriat.

### Standard 🤏 🤏 FLOWER -

If your greenhouses are within 500 miles of the Capitol, write us we can save you money.

W. H. ERNEST,

Station M. N. E.

WASHINGTON, D. C.

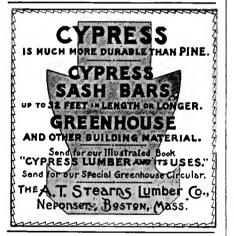
#### Changing Heat From Hot Water to Steam.

"Subscriber" can run steam direct from top of boiler to the greenhouse, and from where it enters the greenhouse it should have a gradual fall to the farther end, and there drop into the return pipes, which in turn should have a gradual fall back to the end near boiler; and this can be made to circulate very nicely without any traps other than dropping the main return as low as possible before entering the boiler. This in itself forms a trap which is always full of water.

It might be possible to circulate steam s "Subscriber" describes from an upright boiler on a level floor of his shed, but I certainly should not advise trying it, as it would be much safer, and in the end much more economical, to sink a pit for the boiler, so that it stands at least below the level of the return pipes in the green-

house.

I do not quite understand his question: "How large a flue boiler would be required, etc?" for the reason that boiler makers, as a rule, make the flue opening of equal size for the requirements of each different size boiler they make. On the other hand, if he means how large the tubes would require to be, that is another matter that can be regulated to suit the circumstance, as boiler tubes are made one and one-half to four or five inches, generally they are made about three or three and a quarter inches in diameter, but the size of boiler required to heat the amount of pipe given would require about a ten horse-power boiler to be safe for all weather. John N. May.



# BED SASH

of Red Cedar, Cypress and Pine. A. DIETSCH & CO.

Manufacturers of Greenhouse Material.

615-621 SHEFFIELD AVE . CHICAGO, ILL.

CONSTRUCTION.

A New Machine.

Lowest Figures.

....WRITE US....

GEO. TAYLOR & SON, Morris, III.



# GREEN-HOUSE CONSTRUCTI

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

**Clear Cypress Building Material** 

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

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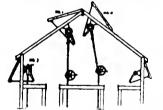


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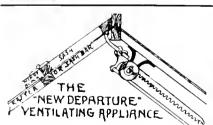
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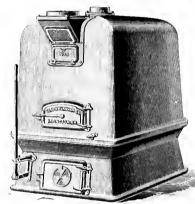
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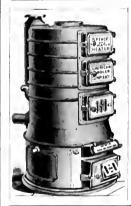
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Vol. XIII.

CHICAGO AND NEW YORK, FEBRUARY 19, 1898.

No. 507.

#### THE AMERICAN FLORIST

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# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

ORNAMENTAL HORTICULTURISTS.

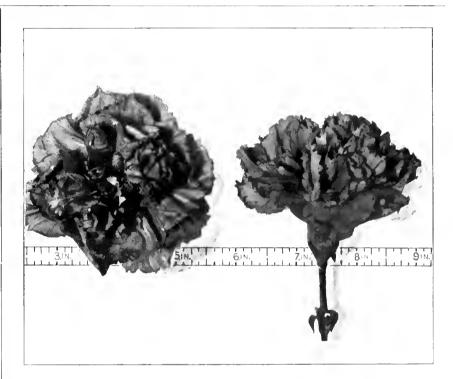
OFFICERS-WM. F. GUDE, Washington, D. C.; president; A. DONAGHUE, Omaha, Neb., vice-president; W. J. STEWART, 67 Bromield St., Boston, Mass., secretary; H. B. BEATTY, Oll City, Pa., treasurer. The fourteenth annual meeting will be beid at Omaha, Neb., August, 1898.

#### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia. February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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CARNATION MRS. THOS. LAWSON.

#### AMERICAN CARNATION SOCIETY.

SEVENTH ANNUAL CONVENTION, CHICAGO, FEBRUARY 18 and 19, 1898.

#### Preliminary.

Notwithstanding the predictions to the effect that the 1898 gathering of carnation growers would be a small one, the men interested in the work of the society began to arrive early, and before noon of the first day of the convention, Thursday, February 17, a large and thoroughly rep-resentative meeting was assured. With few exceptions all the prominent authorities on carnation matters attended in person, and most of the others had able advocates on hand.

With the earliest arrivals was Albert M. Herr, of Lancaster, Pa., the energetic secretary of the society. He arrived early on Wednesday, closely followed by S. S. Skidelsky, of Philadelphia. Later in the day the stream grew thick and fast, and still they were coming at noon Thursday. Among the visitors we noticed C W. Ward, Queens, N. Y.; W. W. Coles, Kokomo, Ind.; Adam Graham, Cleveland, O.; E. G. Hill, Richmond, Ind.; D. B. Long, Buffalo, N. Y.; Fred Dorner, Sr., and Fred Dorner, Jr., Lafayette, Ind.; Fred Breitmeyer, Detroit, Mich.; Wm. Scott, Buffalo, N. Y.

On the arrival of Mr. Breitmeyer Thursday morning some anxiety was felt as to the safety of Harry Balsley, Frank Holznagle and others of the Detroit delegation, who were reported to be due the previous day. An hour later, however, the gloom was dispelled by the appearance of Harry and his friends. mystery exists regarding their whereabouts during the previous twenty-four hours, but Balsley's check suit is still resplendent as a new variety. The judges have awarded it 100 points for loudness. Additional arrivals were E. H. Michel,

St. Louis, Mo.; Wm. P. Craig, Philadelphia, Pa.; Wm. Wallace, New York; Mr. Joy, Nashville, Tenn.; W. J. Vesey, Fort Wayne, Ind.; Mr. Evans, Mr. Mitting, Morris, Ill.; Jas. Hartshorne, Joliet, Ill.; Wm. Nicholson, Framingham, Mass.; C. W. Johnson, Mt. Greenwood, Ill.; Jos. Tailby, Wellesley, Mass.; Fred Lemon, Richmond, Ind.; Uncle John Thorpe; H. Weber, Oakland, Md.; Wm. Swayne, Kennett Souare, Pa.; Mr. Reardon. Kennett Square, Pa.: Mr. Reardon.

The Cincinnati delegation arrived Thursday morning, and their bright red badges attracted much attention. In this group were E. H. Gilsey, Albert Sunderbruch, H. Williams, J. A. Peterson, Wm. Murphy, R. Witterstaeter, Wm. Schuman, Ben George, Geo. S. Bartlett, Jul. Baer, E. G. Gillett, and another gentleman who was so deeply interested in a discussion on carnation matters that we considered it unsafe to put the usual inquiry.

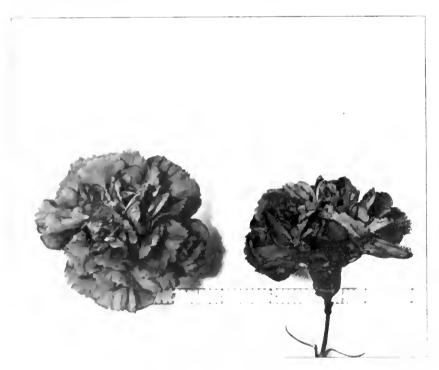
#### Thursday's Business.

The opening session was called at 10:30 Thursday morning, when the president's address was followed by the appointment of the judges. Wm. Nicholson, Adam Graham and Wm. Scott were selected to

exhibits were ready for the judges. display was fully as extensive as any the society has had, and the blooms of far higher quality than those seen at earlier exhibitions.

The improvement was particularly noticeable in the stems, which in the case of such varieties as Mayor Pingree, Mrs. McBurney and Jubilee apparently left little to be desired in this respect. The flowers were larger and purer in color; but while solid progress is evident here, the improvement has not kept pace with that of the stems. It will be obvious from this-from the fact that stems of the right character are no longer among the impossible things-that greater attention must now be given to the development of size, color and form in the flowers.

Perhaps the most extraordinary feature of this exhibition was the arrival of a large case of blooms in excellent condition from John H. Sievers, of San Francisco. This was consigned through J. C. Vanghan, of this city, and on investigation we found that special effort had been made to insure the arrival of these flowers in the superior condition in which they were staged. The flowers were packed in a large case February 13, the stems being immersed in tubes fourteen



CARNATION HANNA HOBART.

that the first of the distribution of the first of the first of the duty in the gas and special transfer of the first of the control with the distribution of the first of the control with the distribution of the first of the control with the distribution of the first of the control with the distribution of the first of the control with the distribution of the first of the control with the distribution of the first of the control with the distribution of the first of the control with the distribution of the distribut

#### The Exhibition.

trace to the first of the usual the control of the state of the usual state of the coming of the state of the control of the con ment seems to have confusioned in the seems the

melies high, two inches in diameter and made fast to the bottom of the case. The tubes, of course, were filled with water, and packed in such manner with moss and the stems of the carnations that the water could not escape to any considerable extent

Not only did these flowers arrive in good condition on the opening day of the exhibition (the fourth day after packing), but some samples of Hanna Hobart, among the dozen or more seedlings represented in the collection, had flowers of a doep pull, shade and larger and finer than anything we remember to have seen in the way of winter flowering carna-

#### Awards.

The judges report that there was no entry for the Breitmeyer prize for 100 blooms of Mayor Pingree.

The Breitmeyer prize for fifty blooms of Mayor Pingree was awarded to W. N. Rudd, Mt. Greenwood, Ill.

Breitmeyer prize for twelve blooms of Mayor Pingree—W. X. Rudd.
Hill prize for 100 blooms of Flora Hill—1st, W. X. Rudd; 2nd, Wm. P. Craig, Philadelphia, Pa.

Prize for 100 blooms of Triumph-H. Weber & Sons, Oakland, Md.

Cottage Gardens cup for the best yel-

low or yellow variegated seedling not yet distributed—F. Dorner & Sons Co.

In the preliminary certificate class, Peter Fisher, Montvale, Mass., was granted a certificate for Mrs. Thomas

Lawson, scoring eighty-five points.
Jos. Tailby, Wellesley, Mass., scored sixty-eight points with Wellesley.
E. G. Hill & Co., Richmond, Ind., scored

with several varieties as follows: America, eighty points; Arbutus, eighty points; Scarlet Queen, eighty points; Prima Donna, seventy-three points.

In the three year seedling certificate class Frank Niquet, Patchogue, N. Y., scored eighty points with Mand Adams.

Wm. Swayne, Kennett Square, Pa., secured a certificate with Empress, scoring ninety-six points.

R. Witterstaetter, Sedamsville, O., likewise won a certificate with Eyelina, ninety-four points.

W. J. Vesey, Fort Wayne, Ind., scored eighty points with Fort Wayne.

Stollery Bros., Chicago, were awarded ninety-one points and a certificate for Argyle.

Dorner & Sons Co., Lafayette, Ind., were given a certificate for G. H. Crane, scoring ninety-two points.

So far as the above seedling classes are concerned, it should be remembered that certificates are given only to such varieties as seenre eighty-five or more points, and in the case of Mand Adams no plant was exhibited as required by the regula-

tions for 3-year old scellings. Vasc 100 white, 1st, E. G. Hill & Co., Flora Hill; 2nd, Dorner & Sons Co., White Cloud.

Vasc 100 light pink, 1st, W. N. Rudd, Mrs. McBurney; 2nd, Weber & Sons, Mrs. McBurney.

Vasc 100 scarlet, 1st, E. G. Hill & Co., Jubilee; 2nd, W. X. Rudd, Jubilee.

Vasc 100 yellow variegated, 1st, W. N. Rudd, Mayor Pingree; 2nd, Dorner & Sons Co., Gold Nugget.

Vasc 100 crimson, 1st, Breitmeyer & Sons, Meteor.

Vasc of 100 white variegated, 1st, Dor-

ner & Sons Co., Mrs. G. M. Bradt. Vase 100 Lily Denn, 1st, Wm. P. Craig. Vasc 100 Armazimly, 1st, Wictor Bros., Chicago.

Vase fifty Maska, 1st, South Park Floral Co., Chicago.

Vasc lifty any other white, E. G. Hill & Co., Flora Hill.

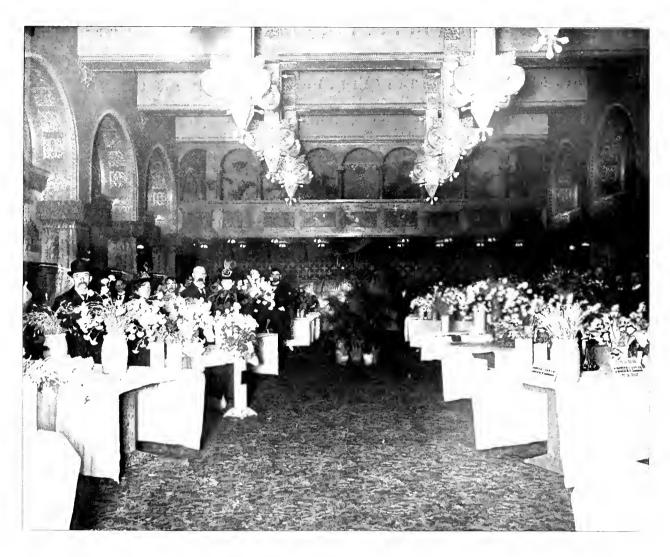
Vase fifty Hector, 1st, II. Weber & Sons. Vasc fifty Jubilce, 1st, Wm, P. Craig. Vasc fifty Portia, 1st, Wm, Murphy.

Vase fifty scarlet, 1st, Dorner & Sons Co., Dazzle.

Vase fitty Tidal Wave, 1st, H. N. Higinbotham.

Vase fitty Scotts, 1st, Weber & Sons. Vase fifty Daybreaks, 1st, Weber & Sons. Vase fifty any other pink, lighter than Scott, 1st. South Park Floral Co.,

Vase fifty Armazindy, 1st, E.G. Hill & Co. Vase fifty Helen Keller, 1st, South Park Floral Co.



EXHIBITION AND BANQUET HALL, AUDITORIUM HOTEL.

Vase fifty Eldorado, 1st, Weber & Sons. Vase fifty any other yellow, 1st, Weber & Sons, Buttereup.

Vase twenty-five best blooms of pink, lighter than Scott into 1897, 1st, W. N. Rudd, Mrs. McBurney.

Vase best any other color, 1st, Fred Dorner & Sons Co., Mrs. Geo. M. Bradt.

### The Introduction of New Varieties and their Commercial Value as Far as Can be Ascertained.

BY FRED, DORNER, LAFAYETTE, IND.

What are commercial varieties and in what does their value consist? I believe many entertain erroneous ideas, that will lead to erroneous opinions and conclusions, detrimental to a progressive evolu-tion of the carnation. The general con-ception of a commercial variety in the first place embraces quantity, quality is second. If so many flowers were cut to a plant, so many thousands of flowers were marketed and sold from a house is conclusive with many. That they were sold shows, that quality was of a grade suffcient to effect a sale. But now let us go a little farther and compare these commercial varieties, with some that are not so prolific in quantity, but superior in quality, and consequently to this idea

are outside the apprehended range of a commercial variety. Let us compare prices, at which these different varieties are generally sold, if higher or lower the difference remains proportionately the same. Suppose 100 blooms, the product of these plants, are sold at \$2 or 2 cents each. Now to my experience the following grades, all the product of these plants, can be grown at the same cost, but as quantity diminishes, quality improves. Ninety blooms may bring \$2.25 or 212 cents each. Eighty blooms may bring \$2.40 or 3 cents each. Seventy blooms may bring \$2.45 or 3½ cents each. Sixty blooms may be sold at \$2.40, bringing as much as the eighty blooms. Now it is not uncommon that an extra fine variety is sold at \$5 per hundred, but we will allow only fifty blooms to the three plants, that is, one-half of the first mentioned makes \$2.50 or 50 cents more for one-half the number of blooms but of superior quality. I believe I am only stating facts as they appear every day in every flower market of this land. Fifty cents more on the returns from three plants does not seem very much, but on a houseful, say about 2000 plants, aggregates to \$330. What is of the greatest value in a variety, quantity or quality? I believe that we had better delegate

these apprehended commercial varieties to the second rank and pay more attention to the others. It is always acceptable when we have a variety of fine quality and can also cut many blooms to a plant, but the trend in improvements includes size also, and we go rather beyond nature's power if we expect both at the same time.

The introduction of new varieties in the past has in many instances been a failure, resulting from different causes, some from natural consequences that could not be foreseen, but others were neglect, ignorance and avarice, as overtaxing of nature's ability, were potent factors, and places the introduction of new varieties in an odious light. Disappointments and losses as they are too often experienced, makes the purchasers suspicious of the new varieties offered every wear; he expects for his good money what he was offered in the glowing advertisements. We must admit that there are cases where the disseminator cannot be held responsible for such things as change of location and different modes of treatment, and these are by no means the least. But there are others that can be avoided by a conscientions grower, but a novice in the originating and growing of new varieties is



CARNATION ARBUTUS.

only too apt to overlook defects. In the admiration of his work he looks with loving eyes at his pets, and let me tell you that where new varieties are treated as pets, a rigid thorough trial such as is necessary to determine the good and bad properties of a variety is impossible. Another cause is the too high culture in the effort to make a good showing that cannot be kept up under ordinary good culture for profit. The growing and introduction of new varieties is a business, and as mevery other trade one must be prepared to meet misrepresentations by obscrupulous people. On the other hand, when a grower conscientiously gives his yew varieties a thorough trial it conmees han of their true value and justifies disseringation, he expects a compensa-tion that will pay him for his work, and he can hardly be held responsible for the deateomings that may appear after, of shielche was marwhire

As our present mode of judging new arietic is curried on, the exhibitor has a given the advantage over the one who bepends or the diension of the judges in the investment of new varieties. The adge scan only judge what they see, such as the character would have been the transacters, similar showing one of the transacters, similar showing one of the transacters, similar showing one of the transacters of their better as outside of the transacters of the howing of one attraction as even also as time representation of the action of

society or the growers would care to shoulder.

One other suggestion is to appoint stations for trial in different parts of the country. This meets with opposition from

the grower, for it can hardly be expected that they should be of such a philanthropic disposition as to scatter their new varieties over the country. And if the growers should favor such a proposition. as present indications are a large house would be filled at each station with applicants for honor. Who would undertake such a venture, and who would pay the expenses? What we need is a system that determines the value of a variety at least through the most important part of the season, and not only when they can be shown at their best but exposing their defects, without encroaching upon the rights of the grower; and further to give a purchaser who takes the verdict of the judges as a guidance a chance to judge to some extent for himself. Such a system to my idea could be arranged and besides would be inexpensive, as I will show later on

Our carnations are in the market the whole year, and we would like to know how a new variety behaves itself at least during the most important part—the late lall and early winter months. Now why not follow the chrysanthemum society and appoint standing committees in the principal cities and let them sit once a month for five successive months, say on the 15th of November, December, January, February and March. It is to the interest of the exhibitor to show a variety with as many committees as possible if he is fortunate to possess enough stock to do so, but he has to show the same variety each month with at least one committee and if it scores three times of the required number of five times it has to be shown, this will entitle it to the society certificate.

If a grower wishes to magnify the value of his certificate, he has only to show on a large scale, that is, with as many committees as possible. If sent from a distance the condition in which the flowers arrive should receive special attention.



CARNATION G. H. GRANE.

If it misses a show at any of the appointed towns, this would indicate that the plants are not blooming at that town. If a shipment should accidentally get spoiled in transit, the exhibitor should at once be notified, and allowed to make another one within a week's time to be judged. If a grower wishes to disseminate a variety during the season of judging and he can score high enough the first three months, a certificate will certainly be of value to him.

A certificate received under this mode of judging is valuable alike to the disseminator and to those who wish to invest. To increase further its value to the latter the result of each month's judging should be published at once in all of the trade papers, not only to mention the aggregate of points scored, but to give the details of the scale by which a variety is judged. It is of the greatest value to those who wish to buy to know exactly the specific points a variety receives; in this way the purchaser, having a record in the publications, is to a large extent his own judge and the committees are the appraisers. By publishing the whole, the line drawn by the limit of eighty-five points securing a certificate, and eighty-four points not receiving one, is not so severe, yet a variety missing a certificate by a few points may yet prove valuable to many when they can judge for themselves when they know in what part this particular variety is deficient.

True, the judging of the different committees like those judging chrysanthemuns do not at all times harmonize, but we cannot overcome that. Judges are human and, without questioning their integrity, may involuntarily be influenced by their own fancy and taste. This may especially happen in the points of form and color, but a specified record will enable us to draw our own conclusions, and partly judge for ourselves. A certificate always signifies a certain amount of perfection and cannot be overestimated, but the line drawn as in the past with eighty-five points as good and eighty-four points as bad is too harsh when not wrong.

At the time of our annual meeting and exhibition every exhibitor before the different committees should be requested to make an exhibit with the record attached to it as judged by the committees the month before, for the inspection of all visitors. This would be my idea of judging seedlings; the quality of the blooms every month speaks volumes as to the habit of the variety. Again, there could be made two classes for the second and third year and over, the same as at present. It would probably cost the growers a few more flowers, but they are always watching for any chance to make an exhibit whenever the opportunity is exhibit offered, and I suppose they are willing to spend the flowers where it will do the most good.

If a wise, impartial judge can be introduced equally satisfactory to the disseminator and the buyer; when this system of judging brings to our knowledge not only the value of a variety when it is at its best, but what can be expected from it during the most important part of the season, when our society can accomplish this it will control the introduction of new varieties, and if carried out in an impartial way, it will gather around itself the progressive and impartial clements, and reach the highest point of its usefulness. Many will not admit that the interest manifested in new varieties centers in the American Carnation Society

and is its moving spirit; remove it and the society will crumble and decay.

#### Secretary's Report.

Mr. President and Members of the American Carnation Society:

Your secretary reports having issued the reports of last meeting in due time and sending them to all members who were not in arrears for dues.

There are on the books (February 1) ninety-four members who are paid up. The revenue derived from these will not pay the running expenses of the society, and there is room for considerable missionary work by these ninety-four members.

Every year the mail matter of this society gets heavier. The past year there was not less than three hundred parties outside of the society, who wrote your secretary on matters pertaining to the society, and it remains for the society to say whether or not they will be burdened with postage (which has not been charged up in the past, but which your secretary believes will reach \$10 the coming year) or whether the secretary shall not recognize such letters from parties other than members.

Albert M. Herr.

#### Treasurer's Report.

The report of the treasurer, Mr. C. 11. Allen, shows receipts to the amount of \$598.93, expenditures \$492.61, balance in bank \$106.32.

#### President's Address.

GENTLEMEN OF THE AMERICAN CARNATION SOCIETY:

We meet to-day in annual convention. Six times since its organization has this society assembled in various cities, drawing together from distant localities men as widely separated in lines of thought and methods of work as are their places of residence. We have studied and planned and toiled to bring our productions to the upper limit of quality, and have carried them to these conventions for comparison with the work of our fellow members.

Each one of us has fallen short of his hopes and some have suffered bitter disappointment, but whether successful or beaten in the contest for honors, we have all returned to our homes with greater knowledge and broader views to strive again through another year for that to which we may all approach constantly nearer, but to which, thank God, we can never attain—perfection.

As we look back over past conventions and the products of our skill then shown, we can note how the apparent perfection of a year ago becomes the mediocrity of to-day. Only then do we begin to know and value what this society has done for every one who is even ever so remotely connected with our branch of horticulture.

So much for the past. What of the future? Shall it show continued success, and an ever widening field? Shall it be doubt, distrust, failure? It rests with you; it depends on your action at this meeting. You have come to the dividing ways; take heed lest you follow the downward path.

The history of all societies similar to ours is the same. Novelty attracts the thoughtless. In the beginning, along with the sober, thinking workers, come the fickle and the shallow. As time passes the weaklings fall away, the membership decreases, and to the mind of the unthinking, failure is at hand.

I say to you, gentlemen, this is not so. These desertions from the ranks are a source of strength to the society. With the deserters have gone intrigue and dissension. What remains is strength, honesty, energy. Settle the important questions now before you thoughtfully, carefully, slowly if you will, but without fear or lavor, and success is yours.

The past few years cover a period of financial disturbance and trouble. The year 1897, while showing to careless observers only increased disturbance and added difficulty, has been a time of liquidation and adjustment. Business has been forced into safer and more conservative channels. We are to day, for the first time in some years, on a sound basis. We reached the bottom last year, but are now on the up grade, and unless all signs fail are, from this time on, to see continued upward progress.

The recent holiday trade has taught us some valuable lessons. From all parts of the country have come advices of increased demand and better prices for carnations of the higher grades. The supply of inferior flowers is and has been ample; it always will be. But we have shown the buying public the possibility of hetter things. The demand for them has been made and must now be supplied.

The stemless carnation is a thing of the past, forced out by the larger and longer stemmed flowers of yesterday. To-day the demand is for greater size, better form and color, and larger and stronger stems. The carnation of yesterday will not do for to-day, and we must change our methods to suit the times. Carnations summer grown in the field can not compete in quality with those grown throughout the season under glass, and we may look to see the same change take place in our methods of culture as the chrysanthemum grower has had forced upon him.

The resume of the year's work, usually taken up by your president, has, on this occasion, been placed in hetter hands. Your secretary will, at a later session, give you a careful review of the new varieties of the year.

Let us get to work.

#### Nomenclature.

Mr. President and Gentlemen of the American Carnation Society:

In the list marked "Standard Varieties" I have left out all varieties not supposed to be grown any longer. In revising this list I have been assisted by the following gentlemen: Geo. Payer, H. Weber & Son, Jas. G. Hancock, Peter Fisher, E. H. Michel, John Hart, Jr., Theo. F. Beckert, C. W. Ward, E. G. Gillett, W. N. Rudd, Richard Witterstaetter, Geo. Smith, C. E. Field, W. R. Shelmire, Daniel B. Long, Eugene Dailledouze, Elmer D. Smith, John G. Esler and Wm. Scott.

It will be seen that the list of assistants comprises growers from all sections of the country, and with a revision by a committee appointed at this meeting the standard list should be final. The society has spent considerable money, and your secretary some \$50 of his own money, in trying to straighten out and reduce the list to something like common sense.

The list marked "Varieties of 1896, '97

The list marked "Varieties of 1896, '97 and '98" is of too recent registration to eliminate any names without the consent of the parties having registered them. So all names registered within the last three years have been intact.

There are numerous unregistered names given each year, and this gives rise to a possible duplication of names regardless of the fact that the society is trying to avoid this very thing. Some claim that the \$1 charge has this effect, but the past experience of your secretary leads him to think that this is not the case.

Something should be done, however, so that all the carnations put on the market at least should be registered and a duplication of the names of popular varieties made impossible. ALBERT M. HERR.

#### REGISTERED 1897 AND 1898.

REGISTERED 1897 AND 1898.

Asha Superha By John Burton, Chestmit Hill, Pale Color pure white, strong grower, very stiff stem, and good carby, free bloomer.

Burd in-hand By Elmer Weaver, Bird in-hand, Pale Color white with earnine markings; plant healthy, free blooming stiff stem and good carby, Conch Shell By H toront Springfield, Massiver or shell pink vigorous grower, constant health, but he will be superior be comer.

Limitume By W. R. Shelmire, Avondale, Pale or dark pink with purplish east, very large flower, ong stemmed. Edua Craig crossed with Costf.

Cost T. Color pure clear fright flesh pink, seed-ing crosses.

Lifed W. G. Liv The Cottage Gardens, Queens, N. Y. Color pure clear fright flesh pink, seed-ing crosses.

Lifed Y. Liv Theo Hancock A. Son, Grand Haven Mich. Color searlet, free bloomer, remarkably healthy habit not unlike Scott, to nesse. By Harmon A. Burr, Sawens, N. Y. Coor white cross between Daybreak and

to use By Harmon & Burr, Sawens & and Meto wath.

Coor white eross between Daybreak and Meto wath.

Len Macco By The Cottage Gardens Queens N. Y. Color deep searbet maroon shading. Metoor crossed with Winter Cheer.

Con Maximo Gomez By The The Cottage Gardens, Queens N. Y. Color bright cardinal crimson. I rom seedling crinism.

Cool Coin By Geo Hameock & Son, Grand Hayon Much. Color vellow stiff stem, fair size. Cold Nuggot By I. Dorner, Sons & Company, Lafavette, Ind. Color deep yellow, slightly marked with red constant and free bloomer, stong grower stem long and stiff callyy good.

Happy Day By Albert Hake, Manchester, Pa. Color bright pink, large flower, good stem, free becomer.

womer.
Mary A Wood - By F - Dorner Sons A Company, afayette Ind. - Color white shown as No. 67 at

neimnad. Mand Adams - By Frank Niquet (Patchoque, N. Color carmine shaded scartet a bright telling

mand Adams. By Frank Nignet Patchoque, N. Color carmine shaded scarnet a bright telling circly.

New York: By The Cottage Gardens, Queens, N. Y. Color bright cerise pink, free and early domer, habit similar to Scott good fragrance, softer sood with Daybreak.

Progress By W. R. Shelmire, Avondale, Pa, or white striped pink, flowers fairly large not never hirst stiff stem robust grower, commons bluemer. Dorothy crossed with Casar, Queens, N. Y. Coor bright maroon extra long and stiff on free progression with Casar, white services the carry blue of the control of the contr

#### VARIETIES OF 1896, '97 AND '98.

| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Location State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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Manlattan. Mark Hanna. Margaret Rath. Maud Adams. Mayor Pingree.
McConnell.
McRomelle Payne.
Morelle Morning Star.
Mrs. Chas. M. Fiek.
Mrs. Chas. H. Duhme.
Mrs. James Dean.
Mrs. Mary Hallock Foote. Thorley.
Mrs. Me Burney.
Mrs. Re Milliander.
Mrs. S. M. Imman.
Mrs. S. M. Imman.
Mrs. S. M. Imman.
Mrs. S. M. Imman.
Mrs. Wm. McKinley.
New York.
Viere-Pre.
Vivea. Mayor Pingree New York. Nivea. Northern Light. North Oneida, Oneis Peak, Pike's P Pilgrim. Princess Progress

Red Wave, Robin Hood, Rosa Pizer, Ruby, Kuny. Saginaw. Sandusky Selver, Servia, Silver Ball, Silver Star, Snow Crest, Snow Drift, Storm Queen. Thomas Caird. Trilby.
Triumph.
Triumph.
Twilight.
Utica.
Van Houtte.
Vice-Pres. G. A. Hobart.
Victoria.
W. D. Slonne.
White Cloud.
White Daybreak,
White Queen.
Wilhelm.
William 1. Burke.
Winfred. Wimfred.

#### STANDARD VARIETIES.

Adelaide Kresken. Alegatiere, Alegatiere, Alaska, American Flag, American Florist, American Wonder, Amy. Angelus. Anna Webb. Armazindy. Antorn Aurora. Bouton d'Or. Bride of Erlescourt. Bridesmaid. Brutus Buttereup Clesar. Cardinal. Captain King Century. Cherry Pride. Chester Pride. Christmas. Charles T. Starr. onstancy. Corsair Crimson Coronet. Crimson King, Crystal, Daisy Bell, Daybreak, Daybreak.
Dawn,
Dean Hole,
Della Fox,
Dr. Warder,
E. A. Wood,
Edelweiss,
Education Craig. Edna Crais E. G. Hill.
Eldorado.
Emity Pierson.
Enlalia,
Fred. Porner.
Golden Gate.
Golden Gate.
Goldfineh.
Grace Darling.
Grace Wilder.
Dako Kollor Helen Keller Hinze's White. lago. Jack brost

Jacquentinot, J. J. Harrison

Inhilee. Jubilee, Kohinoor, King of the Crimsons, Kitty Clover, Kitty Clover, Lasandria, Lawrence Thompson, Lity Dean, Lizzie Gilbert, Lizzie McGowan, L. L. Lamborn, Laus J. Haettel, Louise Porsch, Magnet Magnet, Mapledale, Mand Dean, May Queen, Meteor Meteor Minnie Cook, Miss Joliffe, Miss Joliffe, Mrs, Carnegie, Mrs, Feedinand Mangold, Mrs, Fisher, Mrs, Fisher, Mrs, Henry M. Stanley, Venne Mesh. Mrs. Henry M. Staul Namey Hanks. Nellie Bly. Nellie Lewis. Ophelin. Orange Blossom, Peachblow Coronet. Poetia Portia. President Garfield. President Garffelt Pride of Kennett, Princess Bonnie, Puritan. Purple King, Robert Craig, Rosalnd, Rose Queen, Silver Lake, Silver Spray, Storm King, Stoarn, Shart. Sunbeam. Sweetbriar, Thomas Cartledge, Tidal Wilve, Uncle John. Unite John.
Vietor,
Western Pride,
Win, F. Dreer,
Win, Scott,
Win, Swayne,
W. W. Coles, Yellow Jacket

The afternoon session opened with the reading of the reports of the treasurer and secretary, the former being unavoidably absent on account of illness in his family. Mr. Herr then read his paper on the new varieties of carnations and afterward presented the report of the nomenclature committeec.

The report of the judges contained the recommendation that the number of points required to secure a certificate in the tirst year seedling class be reduced from eighty-five to seventy-five, no plant being called for therein. On the motion Aesey the recommendation was adopted

Victor from Mr. Shehnire was read in which that gentleman condemned the project system of awards and the registration icc, and suggesting that a prize cohered for new varieties of general

Mr. Dorner's paper was then read. On the motion of E. G. Hill, and in response to invitations received from Robt. Craig and the president of the Philadelphia Florists' Club it was arranged to have the next convention in that city.

The amendments to the constitution and by-laws were then taken up and adopted as follows:

ART. HI. SEC. H. After first word insert the word "reputable."

ART. IV. SEC. I. After the word year

add "and until their successors are elected and qualified.'

ART. VI. Before "a meeting of the executive," etc., insert the following: "A special meeting of the society may be called by the president with the consent of the executive committee or it shall be called on the written demand of not less than fifteen members of the society. Notice of such special meeting shall be mailed to each member not less than ten days previous to the date fixed for holding the meeting and no subject shall be acted upon except such as are mentioned in the call. Voting at a special meeting by authorized proxy shall be allowed."

ART. VII. Strike out word annually in last line, and add the following: "At the first session of the society at which there is an exhibition, the president shall, after consultation with the executive committee, nominate nine members known to be present for judges. The meeting thereupon shall either accept or reject the nominations or call for the nominations of additional names. When nominations shall have been made by the president and accepted by the meeting, nominations shall be closed and the meeting shall proceed to yote for six judges by ballot. The three vote for six judges by ballot. nominces receiving the highest number of votes shall be the judges to pass on all exhibits at the exhibition of the meeting at which they are elected, and shall award all certificates and premiums. All protests against the decision of the judges shall be filed in writing with the executive committee promptly. In case of protest by a member of this society or an exhibitor, the executive committee shall examine into the matter carefully and if they consider an error has been made shall report to the society with suggestions as to its correction, otherwise they shall confirm the action of the judges. In all cases of protest no premium shall be paid or certificate delivered until the judges' action is confirmed by the executive committee or the protest has been settled by the society as the case may be."

By-Laws-Section I. Insert after absence the words "or disability."

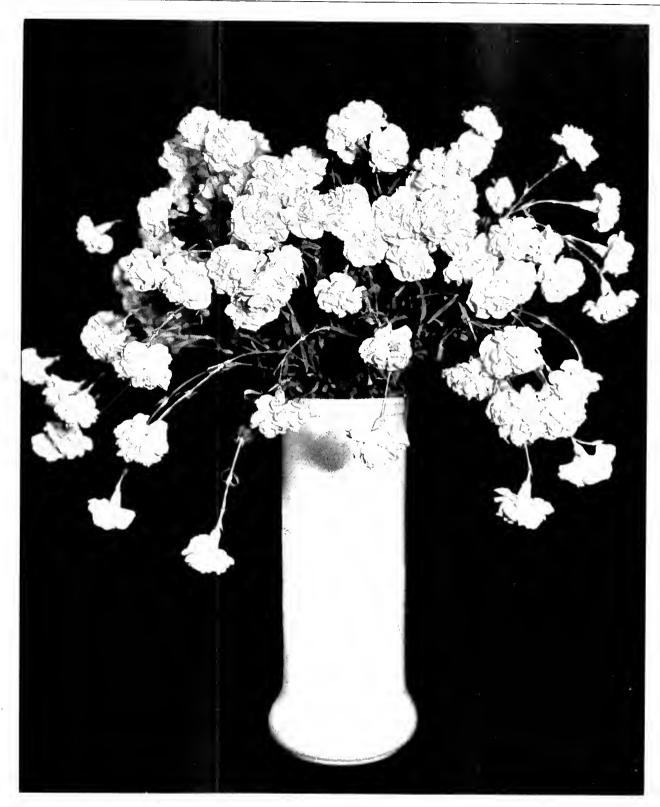
Cancel and substitute the fol-SEC. H. Cancel and substitute the following: "The sceretary shall keep a true and correct account of the proceedings of the society and shall conduct its correspondence. He shall have charge of its books, papers, reports and other property except as otherwise provided by by-laws. He shall make an annual report."

Sec. 111. Add. "He shall give bond in

such amount and with such sureties as may be from time to time required by the executive committee.'

SEC. VII. Strike out words "after receiving such notice."

There was free expression of opinion in the matter of expelling members who should be convicted of dishonest practices in connection with the exhibitions of the society. It was the general opinion that this was beyond the province of the society, that the only thing to be done under such circumstances was to exclude the exhibit, which would be considered suffi cient punishment for any violation of the moral law



CARNATION MAYOR PINGREE.

President Rudd stated that a matter had been brought to his attention with the request that it be presented before the society. This matter was in regard to the variety Harrison's White, which had been stated to be a sport from Wm. Scott, but was in reality the variety Puritan renamed. It had been suggested that the society investigate the matter through its officers or by a particular committee. Mr. Hill stated that the society had done nothing with this particular variety which would warrant its passing any opinion upon it. It had not been granted any certificate by the association and he considered that the society would be going outside of its line of action to take the matter up—lle was satisfied that the gentleman who had disseminated Harrison's White was under the impression that it was a sport from Wm. Scott,

although nobody else believes that but himself. The speaker was convinced that the variety was nothing more nor less than Puritan. The president then suggested that the matter be referred to the nomenclature committee with instructions to investigate, and if they find the facts are as stated that the name Harrison's White be withdrawn from the list.

Mr. Palmer took exception to that course, stating that he did not consider

the variety to be Puritan. Neither did he believe it to be a sport from Scott. Mr. Ward then simply reiterated the statements regarding this variety, which have already appeared in print, to the effect that the disseminator of the variety had been led into the error from finding this white flower mixed with some plants of Scott. He told of the comparison that had been made by Mr. Wood, the originator of Puritan, last year with Harrison's White and stated that that gentleman had now come to the conclusion that the variety was Puritan.

Mr. Ward himself had grown the variety this season and found it identical in every respect to the Puritan as grown by him some years ago. It differed in some respects from that variety, but he was confident that it was not a sport from Scott. He did not accuse the dissemina-tor of any dishonest intention at all in the matter, but he thought that he had fallen into the error unwittingly.

Mr. Scott facetiously remarked that the comments of Mr. Hill might go this time, but he thought when a similar case came up that it was in the province of this society to look into it, and that when he did sport he would like to sport some-thing good. Mr. Michel stated that he hoped he would not sport into a Puritan.

#### Last Season's Introductions. HY ALBERT M. HERR LANCASTER PA

Perhaps the two most notable introductions of the past scason are Harrison's White and Flora Hill. The latter has proved to be even more than was claimed for it. The former being sent out as a sport from Scott, raised expectations which it has not been able to meet. Your secretary has had letters demanding that the society take some action on this matter, claiming that the variety was no more a sport from Scott than the writer was a sport from an elephant. If there was evidence of an attempt to defraud, the society would be justified in taking some notice of such letters, but those of us who know Mr. Harrison also know that he honestly thought the variety a sport from Scott, and thinks so to this We, as a society, have no evidence to the contrary, for while the variety has been a disappointment in most places, it has done well with a few, and at this date. February 10, is doing fairly well everywhere. There is a possibility that a variety that can sport color can also produce a bud variation that would change the entire habit of the plant, and there is reason to believe that this may be an instance

Nivea seems to be grown more successfully in the east than anywhere else.

Of the season's introductions in searlet, Morello and Jahn's Scarlet have both given satisfaction to the growers.

In panks, Mrs. Chas. H. Duhme and C A Dana have made many friends, but Sictor seems the introduction of the season, as one hears very little of the others. It is a case of ac port that has proven of

Milud Dear is recognized as one of the scautics of the cason, and like some ther heautic very field and not to be depended upon.

Laly Decoration is coefficient variety in its class, and some easier of culture than after of the supposeds. Sire The decoration proceeds incoherns entour and promise to be a standard

Mayor Engines has filled a long felt

and for a cool and profitable vellow.

Mis. McBurre, profit is to replace
beyone is song larger and casic to do,

and having other points of merit over the older variety.

Taken altogether the season's introductions have been such that the introducers can be congratulated.

Of those being introduced this seasonthere are certainly plenty of them-and all seem of sufficient merit to try. It would take too much of your time to review all of them, and to have but one man's opinion would not do them justice.

This society should have a report from one of its members as to the health of the stock being sent out and if it will answer to the description given, this report should be a part of the annual meeting.

At the evening session officers for the ensuing year were nominated, and Mr. Kennicott read his valuable paper on carnations from the commission dealer's standpoint, illustrating it very graphically by means of genuine stock in good shape and in bad.

#### The Carnation From the Commission Man's Stand-Point.

BY FLINT KENNICOTT, CHICAGO

Through Mr. Rudd, Mr. Herr has requested me to make a few remarks from the commission man's stand-point upon that most beautiful and useful flower of the genus dianthus, but to the trade more commonly known as carnation pink, and in all commission houses simplified to C. P. I am not in the habit of writing papers and these few remarks will be but a rubaboo or mixture of ideas. Of course, you are all earnation growers but my lew remarks will be made from the stand-point of a commission broker of cut flowers.

In my opinion, if you are growing for the trade, you should confine yourself to carnations only, with as few side issues as possible and of the C. P. not too many varieties, say five or six and not over eight varieties at the most, and grow only such as you can do well. Discard all others, unless grown for experiment or pleasure. Your merchant wants a No. 1 "bang up" stock, with large perfect flowers and long, stiff stems, with good foliage. Such he can sell to best advan-tage. In my opinion straight colors, clear and pure, are best to grow-white, pink in shades, red in shades, and yellow.

There are many good whites, and white C. P's are always staple, more so than any other color; so give a good share of space to the white or whites that you can grow best. A good white or two you must have. They should be pure white and good large flowers on long stiff stems. The day of short stemmed carnations is past. The custostemmed carnations is past. The customer wants them long. For design work, he picks them off himself.—It is very sel-dom now that short C. P's are asked for and then it is only by some back number who is still in the woods. After white, the best in demand, are the different shades of pink-dark, medium and light represented respectively by Tidal Wave, Scott and Daybreak, with intermediate shade, but to sell well they must be disfinet in color. No mongrels need apply, In red, the very dark magenta shades, such as Old Sport (not the "old sports who sell chewing gum and are well known characters in Chicago streets, but the old blackish C. P.).

Prince of Morocco and others of the same illeage not in demand, excepting for entertamments of certain college societies and as colors of football and baseball teams, but of a good red C. P. we are much in need, one the same shade as

Portia, with just as long a stem but stiffer and of the same keeping quality, with twice the size of bloom, and one that is as free a bloomer. Of course, there are Jubilee, Meteor, Morello and many other fine reds but they are so scarce you cannot get them when you want them or sell them at listed prices when you have them, as they must be classed as faney, with a faney price, or the grower will be left. Now, what is wanted, is a good, large, dark red, something better than Portia, that can be sold as first-class with good whites and pinks, etc.

Yellow is still a novelty. No merchant can quote it as he does white, pink and red and be sure he can get them. There is no doubt that if a free blooming yellow could be found and produced freely enough so your merchant could depend on it, it would find a ready sale at prices above all other colors, but I have never known the time when I could promise 1000 yellow earnations one day in advance, no, not fourteen days. Now in white, pink and red, I will promise you 100,000 in fourteen days, if price is satisfactory. So I class a yellow C. P. as a novelty until one of you gentlemen will grow one that will bloom as freely as the old Degraw.

As to the variegated carnations, such as Helen Keller, Mrs. Bradt and many others, they are also novelties and though to my taste they are very beautiful, still as your merchant, I will say that commercially they are worthless, except as novelties. They are seldom asked for, and when they do find a market it is through a forced sale, due to chance. Excepting in a house devoted to your own pleasure, I would advise growing very few variegated C. P's. Clear colors are what "knock"!

Now, gentlemen, your merchants are not idiots, although a few of them may appear a little "daffy". They do not expect you can grow every flower to perfection, but they do expect you can separate the perfect from the imperfect blooms and bunch them separately and even make a third class, if necessary. Carnations should be tied twenty-five in a bunch. Four bunches will then make 100 and your merchant sells all his goods by the hundred and he trusts to his grower's count. In the Chicago market the growers are all known by number, and a customer soon learns the number of the grower who produces the stock he wants. He naturally buys stock from the lots in which he has found twenty-five perfect flowers to the bunch and will ask for that grower's number next time; so, for your own sake, as well as that of your merchants, be sure there are twenty-live perfect blooms in every bunch.

No matter how scarce flowers are, do not count short. Put in one extra rather than one short. Many growers have yet to learn that six had ones or even sixteen are not equal to one good one, so dever put a "ringer" in your bunch, for the customer who buys 100 first-class carna tions of your merchant expects to get 100 and will make no "kick" if there are 101 first-class ones or he will say nothing if there is an extractwo or three, but "if for the 100 he gets ninety-two that are perfect and eight that are "ringers", gentlemen, "the fur will fly." An extra one An extra one or two should really be included in the banch to allow for an occasional broken

Put your second-class stock in separate bunches and your merchant will take care of it, but never mix any of your seconds or rubber necks with your firsts, and if you have thirds send them along,

unless you are short on fertilizers. Maybe they would help out on commission and express but never mix them with your first-class stock. One "ringer" will kill the entire bunch.

I want to say a few words regarding the naming of C. P's. It is a bad mistake that some of you make in naming your C. P's after staple roses, such as Meteor, Bridesmaid, etc., and it causes your merchant much confusion. Thus, an order comes for "One Perle, one white carnation, half Meteors, half Maids." Your merchant has to be a mind reader to know whether roses or C. P's are wanted. On two last mentioned I have known more than one mistake to occur. And a earnation "by any other name would smell as sweet," wouldn't it?

Regarding the bunching of C. I's I am going to make a few illustrations. Here is a bunch of twenty-six good C. I's tied as they should be, even heads, with each individual flower showing; also showing every stem of equal length; that it as it should be. This one is not. It is tied all should be. This one is not. It is tied all wrong. But, maybe, the grower had a reason; let us cut it open. What't wentyeight carnations! Generous man! But hold on; see, here are three dead "ringers" and two short stems. His generosity is misplaced. The ringers alone would kill the bunch, even had there been twentyfive good ones, but two are short and do not count. The bunch has only twenty-three carnations in it—Register another "kick" for your tough merchant. No. 1 is the way to do it; No 2 is the way not to do it.

Now a word as to pickled stock. experience of years ought to teach every grower that pickled stock does not pay, but at every holiday the mistakes of the previous year are more or less repeated It will invariably prove in this respect. the most profitable to you as well as satisfactory to your merchant and his customers to keep sending your flowers in as fast as they are in proper condition for market. Pickled stock always results in loss to the grower, trouble for your merchant and dissatisfaction to the buyer. I cannot emphasize this fact too strongly. The grower who pickles stock is invariably working directly against his own best interests.

#### Friday's Business.

The convention was called to order at 9 a. m. Prof. Authur's paper on "Moisture, the plant's greatest requirement" was read and called out a very general discussion. A vote of thanks was tendered Prof. Arthur.

The election of officers was next in order and the following gentlemen were elected by acclamation: President, Win. Nicholson, Framingham, Mass.; vice-president, Wm. P. Craig, Philadelphia; secretary, Albert M. Herr, Lancaster, Pa.; treasurer, Fred Dorner, Jr., Lafayette, Ind.

The committee on protest against proposed plant inspection legislation was named as follows: Wm. Wallace, J. C. Vaughan and E. G. Hill.

Wm. Scott was named as a committee on correspondence with the national flower organization. Messrs. Graham, Vesey and Giesy were appointed as a committee on final resolutions.

The proposition of Sceretary Herr that members contribute \$25 each for the good of the society aroused considerable discussion, which developed into great enthusiasm. Mr. Hill offered \$50 and Mr. Ward in the same breath increased his present offering, of which the society has been the recipient for some years, to a like amount. Twenty-five dollar subscriptions came from all parts of the hall and in a few minues \$350 was subscribed with only a part of the members present. The executive committee was instructed to carry on the work and to endeavor to interest others. It was resolved that all receipts in access of \$500 per annum be carried to a sinking fund to form the neucleus of a permanent endowment.

The most enthusiastic good feeling prevailed and the society adjourned to meet next year at Philadelphia.

#### The Banquet.

The banquet to the American Carnation Society at the Auditorium hotel is in progress as we go to press, about 125 guests are present and the jolliest kind of a good time is anticipated.

Varieties Exhibited.

Fred Dorner & Sons Co. had on exhibition twenty varieties, among them, Unele John, fine; White Cloud, fine shaped full flower, grand stem; Gold Nugget, fine fringed yellow, full flower, good stem; Mrs. G. M. Bradt, extra fine, as usual; Mary Wood, fine white, slightly penciled pink; Dazzle, fine shaped scarlet; New York, pink, extra good color, fringed flower, good stem; Mrs. James Dean, pleasing shade of pink, seems a little weak in stem; John Young has the appearance of a fine commercial white, fringed flower, good stem; Storm Queen, white, not quite so full as White Cloud, but still a fine thing; G. H. Crane, searlet seedling, large full flower of lively color, ealyx fine, a plant exhibited shows it to be of fine growth; Bon Ton, searlet, a little small, but of good color and fine stem.

Mr. C. W. Ward's exhibits are staged jointly with the above making a clean,

well-grown lot.

E. G. Hill & Co., Richmond, Ind., showed a grand vase of Jubilee, fine large flower and good stem; also vase of 100 Flora Hill in good form; Painted Lady, fine deep pink, shading lighter on the edges, seems a little weak in stem, but otherwise a fine thing, white; Psyche, white heavily penciled with red, have seen this in better shape than shown here; vase of fifty blooms of Armazindy, fine shape, with extra good stems; America, red seedling, fine shaped flower, even color, good stem; Scarlet Queen, scedling, fine large fringed flower, extra fine as regards color and form, good stem; Arbutus, seedling, Daybreak color, but a little deeper, fine flower with good stem; Prima Donna, pink, similar in color to Triumph, fine shaped flower with good stem.

From Wm. Swayne, Kennett Square, Pa., Empress, rich crimson, making one of the finest exhibits, stem fully thirty inches long, plant shown indicates extra strong growth, though a dark one the color, is still lively, strength of stem and calyx good,

Stollery Bros, had on exhibition a fine vase of Argyle, grand in every respect, the color showing well in artificial light. Maud Adams from Frank Niquet, Patchoque, N. V., looks to be a good com-

mercial flower, of a deep pink color, tine fringed flower of good form, with good stem, holding the flower erect.

From W. P. Craig, Philadelphia, vase of 100 Flora Hill in good shape; vase of 100 Lily Dean, a finely penciled flower, but a little weak in stem; a fine vase of fifty Jubilee; a fine vase of Victor, together with some plants showing growth; it has the appearance of being very free, as the growth and everything is good.

Wictor Bros., Chicago, showed a fine vase of 100 Armazindy with stem fully

thirty inches.

John Burton, Philadelphia, a fine vase of Alba Superba, flower a little small, but

otherwise good. Weber & Sons, Oakland, Md., a fine vase of 100 Mrs. MeBurney, the same of Triumph and Mrs. G. M. Bradt, Flora Hill Buttercup, Daybreak, Goldfinch, Wm. Scott, Storm King, Hector, and fine vasc of seedlings. These exhibitors showed a fine vase of Mrs. Robert Garrett rose which certainly seems to be a great acquisition, eolor, shape, form, stem and foliage being extra fine.

John Breitmeyer & Sons a fine vase of Mayor Pingree, a fine vase of Crimson; also good vase of Cerise Queen, a fine pink.

Messrs. George & Allen put up a nice stand of cut flowers, including Meteor roses, valley, tulips and Dutch hyacinths. Mr. Peterson staged a nice vase of Prin-

cess of Wales violets.

Mrs. Thos, Lawson was staged in fine shape by Peter Fisher, Ellis, Mass., a fine large flower of good color and grand stem.

Chas. S. Baker, Utica, N. Y., staged Oneida, pink, fine color, but a little weak in stem; Red Jacket, scarlet, fine color, not so large as some reds, but otherwise good; Uncle Sam, a densely striped red white; also two promising seedlings; Pluto, dark red, and Goliath, pink.

R. Witterstaetter, Sedamsville, Cincinnati, Ohio, staged a grand lot, including his peerless white Evelina, which was fine

in every way.

Mr. Murphy, Cincinnati, Ohio, staged Portia, W. Scott, Daybreak and Mrs. Geo. M. Bradt in good shape

Dan'l B. Long, Buffalo, X. Y., was on hand with a fine lot of Genesee, white, both flowers and plants being in good shape, and look to be very free, and a good market variety, but the flower is a little small compared with Flora Hill.

Mr. James Hartshorne, gardener to H. N. Higinbotham, Joliet, Ill., staged a fine vase of Tidal Wave with fine stems, also

a grand vase of Jubilee.
G. A. Kuhl, Pekin, Ill., showed some elegant Brides, Bridesmaid and Belle Siebrecht roses.

Bassett & Washburn, Hinsdale, Ill., staged a fine lot of roses, carnations and mignonette, not for competition; they were all elegant stock and well done.

John H. Sievers, San Francisco, Cal., had a very interesting exhibit of seedling carnation, some of them being grand specimens, and looked in good shape after their long journey.

South Park Floral Co., New Castle, Ind., exhibited fine vases of Bride and Bridesmaid roses, also vases of Jubilee, Mrs. Geo. Bradt, Armazindy, Alaska and Albertini, all in fine shape.

Barnd Sisters & Co., Findley, O., staged a vase of dark crimson named Olive Snyder. John Murchie, Sharon, Pa., had a vasc of dark pink named Uncle Walter, fine color and stem.

J. P. Turner, Galewood, Ill., a vasc of Van Leevan, flower a little small, but with fine stem; also vase of Daybreak.

Geo. Hancock & Son, Grand Haven, Mich., plant and blooms of their seedling Firefly, which they term a business carnation, which certainly looks to be very free; also a vase of Jemon yellow, named Gold Coin.

W. W. Coles, Kokomo, Ind., showed a vase of elegant Kaiserin roses, and an American Beauty with stems about 7 ft.

From W. N. Rudd, Mount Greenwood, Ill., vasc of 100 Pingree, fifty ditto, twelveditto, 100 Mrs. McBurney, twentyfive ditto; two vases of 100 Flora Hill, also one of twenty-five; vase of 100 Jubilee, fifty Jubilee, and some others.

C. W. Johnson,



WM P CRAIG

#### An Interview with William P. Craig.

William P. Craig has been showing us the newer earnations-unusually well done-at our flower shows and club meetings recently, and although but a youngster compared to most of the successful growers, he certainly does credit to his excellent training at Mr. May's and the old homestead, and gives promise of taking a leading place in the rising genera-

With the idea that Mr. Craig could tell us something of the newer carnations, the writer jumped on a ear vesterday and rode out to Market and Sixty-first streets in the hope of being able to pump an interesting story for the AMERICAN FLO-RIST out of the youthful W. P.

Mr. Craig was busy opening the morning mail when I greeted him. I could see that there were some good fat orders in the bunch of letters before him, so 1 felt sure he would be in excellent, humor, and in just the trim to be amiable and chatty in showing me around. I believe the New York reporter's style is to ask all sorts of questions and if the victim answers not, supply the answer. Nansen was asked what he ate, how much, and how often, and a hundred other such questions, until he stood aghast. Acting on the precedent of such unimpeachable author ity I promptly began my labors by asking what those orders consisted of that were lying on the desk. I do not have to turnish the answer, here it is.

None of your business, my boy, but seeing that you're a privileged character, I don't mind telling you that they're mostly for young stock of the newer car nations of which I am making a spe-

What's your best seller?

Well so far I lora Hill leads the prosome but Victor, Mayor Pingree, and Lals 16 at are also prime favorites, and I sill not have readly enough of either if

the deceand keeps up as it is at present.

Is I for all the better than John Rur
tan's Alba Superbact. This was a trap.
Being or by 26 I thought, may be he'd get. aught sudderl.

Lead here there are sound

Laco here theory, that are you up that Wanth eyel he path ended Lassure that I delete to the consented to answer all a cetral at I looked them respectable

"What makes you think so much of Flora Hill?

"Well, in the first place, it is very healthy, vigorous and free; then it has good size, good stem, and in fact it is all that Hill claimed for it.

"I see you have a house of Victor? Any

fault to find with him?"
"No siree! That's absolutely the finest pink carnation to date. Do you see that center bench there, where the men have just started to take off the crop? are 1000 plants on that bench and I am cutting 100 a day and have been since the middle of December and I took at least 1000 off before that; it's certainly a money maker! The crop keeps coming right along. Ves, Scott has served us well, but his day is past when you can have a pink like Victor on the carpet.'

"What do you consider the best red to date?"

"I should say Jubilee, by all means. It has stem, size, form and color, and sizes up to the exacting standard of the day better than any other I know of."

"How about Mayor Pingree? I see you have a center bench of him in fine

'Pingree is the best yellow—an exceedingly lively shade of yellow, especially in the center, and the red pencilings rather enhance its beauty than otherwise. I can cut stems twenty-eight to thirty-two inches in length good and stiff. It is also a free bloomer, the flowers are large and averaging three and one-fourth inches in diameter with me.

"What's your favorite in the fancies?" "Ah, now you just come round to this far house and I'll show you some Lily Dean that will make you quiver! Ain't they fine? Did you ever see anything so charming? shape exquisite, color more exquisite still! I wish I'd had it on the center—bench it needs more head-room (three and one-half feet head-room-no less) than what it gets here. It also wants to be grown cool, 50° is about right for it. Mrs. Bradt requires the same treatment, and is a good one to grow in the same house. Mrs. Bradt is a good heavy flower, very showy, but she will not be in the race with Lily Dean as a fancy-the pencilings are too heavy."

I see some fine McGowans up at that back benefi. I suppose she's still a money-

'No; after careful thought I'm afraid we must say good-hye to Lizzie, too, as well as Scott; she's not in it with Flora

Hill?"
"Is Flora Hill better than Burtou's Alba Superba?

"There you go again! Why ean't you stay in my bailiwick where I'm on sure ground! I've seen Alba Superba at Mr. Burton's, and it's certainly magnificent, and where a long stiff stem is required it is indispensable in fact nothing can touch it. It has fair size, too, and I think most everybody will be able to grow it. The color is very pure, and the form and texture unique. I think it a grand good thing, indeed."

"Are there any other new ones you've tried?

"Not many. Mrs. McBurney with me s no better than Daybreak. Emma Wocher is a very fine pink, very pretty, but not full enough. Maud Dean very fragrant. A fine thing, but too late.'

"Hello! a house of carnations and no flowers! What's it mean.'

"Oh, that's a house of Flora Hill exclusively for cuttings. I have not allowed a bud to expand except at first to make sure of the purity of the stock. The buds are carefully pinched every day. It pays. I've had great success in striking cuttings. In one batch of 20,000 I did not have 1% miss. Of course the mica rock I use for striking may share the glory of that.'

"What kind of rock's that?"

"Why, its rotten rock found near here, composed of mica, mostly. It's grand stuff for striking cuttings. American Beauty and other difficult subjects do splendidly in it. 1 have shipped several carloads of it to other growers, Mr. May and Mr. Burton among others. It's too expensive, however, for a distance; the freight is too high. But any one can get it who will dig for it in their own neighborhood. The mica strata is found below the gravel."

"What further passed at this meeting deponent sayeth not. I guess l'Il follow Sam Weller's advice and make this letter short, so you'll wish there was more. Some time I may go out and see this beauty of Mr. Burton's that they're all talking about. If you never hear of this reporter thereafter, you may con-clude that he met the fate of Abe Cumius -'the rope broke and I was driven-well, to breakfast, and now, by gum, I want a pension.'

G. C. Watson.



WM. P. CRAIG 8 HOUSE OF VIOTOR CARNATIONS.

## The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00, Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Ag \$1.00 per inch. Cash with Order. No Special Position Guaranteed. Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Advertising Department of the AMERICAN ST is for Florists, Seedsmen, and dealers in pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday Address THE AMERICAN FLORIST CO., Chicago.

THE illustrations of carnation flowers in this issue are from the actual specimens exhibited at the national convention of growers held in this city within the past two days.

#### Carnation Bon Ton.

We have received a box of blooms of this excellent variety from F. A. Blake, of Rochdale, Mass. The flowers are of good size and substance, very full and deeply fringed. The color is a good bright scarlet. It is evident the flowers will travel well, and they are borne on stems of the first quality.

#### New York.

FLORISTS' CLUB HAS A ROUSING MEETING.— A GOOD EXHIBITION —CHANGE IN EXHIBI-TION RULES.—A LEGISLATIVE COMMITTEE APPOINTED. — ENTERTAINING LECTURE WITH STEREOPTICON VIEWS BY MESSRS. FARQUHAR.—BULB GROWING IN HOLLAND AND PLANT LIFE IN JAMAICA.-VISITORS FROM ABROAD.

The meeting of the Florists' Club on Monday evening was something of a record breaker, there being seventy-seven members present, twelve new names added to the roll and fourteen more proposed for election at the next meeting. The exhibition comprised a fine collection of carnations from C. W. Ward, group of azaleas from A. Schultheis, collection of orchids from Siebrecht & Son, and W. A. Manda, section of greenhouse from Thos. W. Weathered's Son, and orchid basket from W. A. Manda. The committee made a report on all these and supplemented same with a new scale of points which it recommended for judging these monthly exhibits. The new scale, which provides that any exhibit gaining eighty-five or more points shall have a certificate of merit and the exhibitor with the most certificates at the end of the year shall have the gold medal, was unanimously adopted. The committee reported having visited the houses where the new carnation Maud Adams is growing, which they honored with a certificate and a very high endorsement.

Patrick O'Mara called attention to the efforts now being made to pass a law in New Jersey, also in New York and in Congress, providing for a rigid inspection of all trees and plants coming from outside territory and exclusion of all stock infested with insects, and urged that the pests at which the law is aimed are exclusively found on nursery stock, never on so-called florists' stock. He explained the annoyance and loss that would come to florists if the bill in its present shape should become a law and asked for a committee with power to appear before the various legislative bodies and urge that florists' stock be exempted. Messrs. O'Mara, May and C. H. Allen were appointed accordingly and will assume their duties at once.

The promised entertainment of the evening was then in order, a stereopticon exhibition by Messrs. John and James Farquhar, of Boston. No more delight-ful evening has ever been spent by the Scenes in the bulb growing districts of Holland, views in many foreign horticultural establishments and entrancing pictures of the tropical scenery of Jamaica were thrown rapidly in succession on the screen and applause was frequent. The greatest surprise to all was the wonderful vegetation of Jamaica. The great trees with orchids and ferns growing over their branches, the rocky chasms hung with beautiful ferns and tropical plants innumerable, the stately palms, the banana groves, the strange towns and market places were all shown and entertainingly described. At the close of the lecture, which lasted for an hour and a half, the Messrs. Farquhar were the recipients of a vote of thanks, an invita-tion to the club dinner and no end of applause.

Business is sailing along serenely, with fair demand, plenty of stock of all kinds and low prices on everything. Lily of the valley, tulips, daffodils and violets are accumulating faster than they can be unloaded in the wholesale marts. Harrisii lilies are also overplenty and callas are abundant. Smilax and adiantums are shortening up in quality and quantity, both. Unusually fine Vervæneana azaleas are displayed in the retailer's windows, and among the most attractive things offered are pots of violets in bloom. Visitors in town: G. Krouwell, of Speel-

man & Sons, Sassenheim; Jac. Wezelenburg, Sassenheim, Holland; Mr. Kaptjen, representing G. Van Waveren & Kruyff and P. Vos, of the Holland Bulb Co.

#### Boston.

BUSINESS SATISFACTORY.-IGNORANT PREI-UDICE AGAINST POLICY OF PARK DEPART-MENT.—EXHIBITS AT HORTICULTURAL HALL.—RECENT FUNERALS CAUSE BIG DEMAND FOR FLOWERS .-- GURNEY HEATER MFG. CO.'S REMOVAL.-LOCAL LINES.

A more even trade is reported from all local points. Receipts of roses and carnations seem about right for the needs of the market and no fluctuations in price, of any account have been experienced this week. This may reasonably be expected to continue till middle of next week at least, when Lent will come in and a lull may be experienced. Bulbous stock and violets are in oversupply here, as in other eastern markets, prices realized being low and the surplus disposed of with difficulty.

The self-constituted censors of Superintendent Pettigrew and the park board continue to vent their abuse through the open columns of the daily press, and the crusade against the tree-cutting goes on vigorously. The less a writer knows about the subject, the more frantic he becomes, apparently. The necessary thinning out of young trees and shrubs as they grow is a work only to be entrusted to a man of long experience, foresight and a thorough knowledge of their requirements. Here we have a superintendent possessing all these attainments, fully supported by a park board which is in close touch with our most eminent arboriculturist, a man who has devoted a lifetime to the science of forestry, but this counts for nothing with these critics and disturbers who, neither asking nor caring, apparently, to know the reason for the acts they condemn, rage at the thinning out of overcrowded plantations, and yet often display the insincerity of their professions by their indifference to the

usefulness, or ignorance of the proper arrangement and care of trees and shrubs, as shown in the barren or unkempt surroundings of their own homes. One of this latter type was overheard recently to boast that the Massachusetts Horti-cultural Society was now to be made use of to help put a stop to this "vandalism" as he termed it. "We shall see what we shall see." It is gratifying to know, however, that the unreasoning clamor is likely to prove fruitless and to feel assured that in the course of time the wise policy of the present park management will be vindicated.

At Horticultural hall on February 12 J. E. Rothwell showed a number or rare and handsome cypripediums. A bloom of Cattleya Trianæ, Emily Roebling exhibited by H. T. Clinkaberry was much admired for its rich coloring and fine form and received honorable mention. James Comley contributed a collection of camellia blooms.

The funeral of State Senator Hayes on Thursday last was the occasion of a phenominal demand for flowers and following so closely as it did on the funerals of the unfortunate firemen who lost their lives in a burning building, it helped out the volume of the week's business for the city florists very materially. Scanning the list of floral emblems it appears that the standing wreath, in various styles, is one of the most popular designs at pres-

The Gurney Heater Manufacturing Co. whose boilers have become such favorites for greenhouse purposes within the past few years, will move from their present address on March 1 to 74 Franklin street, corner of Arch street, a more central and convenient location.

George Cartwright is still bringing in chrysanthemums and says he could easily keep it up the entire season. Minnie Wanamaker and Maud Dean are the varieties he is cutting from.

Welch Bros. have had on exhibition at the City Hall Flower Market, a vase of Genesee carnation from D. B. Long. Not only is it a grand white bloom but

its keeping qualities seem really remark-

Referring to the growing impression that the Harrisii disease is caused by insects infesting the bulb. Mr. Edgar suggests the experiment of packing the bulbs in tobacco dust.

C. Thompson Adams of West Medway

has gone into insolvency.
Visiting Boston: H. S. DeForest, representing Hitchings & Co., New York.
Henry Waterman, Jr., 488 Boylston street, has made an assignment to D. W. Murray.

NEWPORT, R. L.—The February 9 meeting of the Newport Horticultural Society was a very large and enthusiastic one, and it was decided to hold a chrysanthemum exhibition next fall at Masonic Hall. Schedules will soon be ready.

HOLYOKE, MASS.—The annual meeting of the Holyoke Horticultural Society was held on the evening of February 5. Donald McGregor read a paper on cyclamens. Election of officers will take place at the March meeting.

Wakefield, Mass.-Owing to the small eccipts at the fair last fall, the Wakefield Horticultural and Agricultural Society is unable to pay the prizes awarded at the exhibition.

NEW LONDON, CONN.—The florist establishment of J. L. Fitch took fire on the morning of February 5 and most of the plants and seeds were destroyed.

#### Cut Flower Price Lists Received.

Kennicott Bros. Company, Chicago; W. A. McFadden, Cincinnati; C. A. Kuehn, St. Louis; Holton & Hunkel Co., Milwaukee.

POUGHKEEPSIE, N. V.-At the meeting of the Dutchess County Horticultural Society on February 2, Mr. W.G. Gomer-sall read an interesting paper entitled "Helps and Hints for the Amateur.

#### SITUATIONS, WANTS, FOR SALE,

Advertisements under this head will be inserted at the rate of lifeents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

admitted under this head.

Every paid subscriber to the American Florist for the year less is entitled to a five-line want adv. free to be used at any time during the year.

SITUATION WANTED-By a first-classrose grower: 15 years experience. Good references. Address D.W. care American Florist.

SITUATION WANTED-By a young man 22 years of age; ; years' experience, Good references. Address O.M., care American Florist.

SITUATION WANTED By competent grower in private or commercial place. Best of references.

JOHNSON, 48 W. Huron St., Chicago.

SITUATION WANTED—By a competent store man, late with Freidman; reference given by Chicago wholesale florists. R.A. care Am. Florist.

SITUATION WANTED—By an A No. 1 manager of wholesale or retail store; twelve years' experience in prominent cities. Correspondence solicited G, care American Florist.

SITUATION WANTED - By rose grower as foreman; expert in all leading varieties of cut roses, mums, carnations, etc.: plants, mains, pains, etc. O.S. care American Florist.

SITUATION WANTED By A I general cuttower grower; good decorator Recommendations fur-D grower: good decorator Recommendations as bladed, German American; Myears old. Address V G, care American Florist.

SITUATION WANTED -By experienced gardener and florist (Scotch) to take full charge of private place. Best of references married; age as W.S., care American Florist

STITUATION WANTED-By young man age 21, three years experience in roses and carnations. Best of references. Address
W. W. Box 163 Newtown, Pa.

CITTATION WANTED As foremen by a rose of grower, at place where extra fine American Beauty and Tea roses are wanted. Address P.H.M., care American Florist

STITUATION WANTED By an experienced gardener and florist to take charge of private or commercial place, age a married Best of references.

Chicago care American Florist

STILATION WANT CD. As assistant florist single, in age 2. Spars, experience, sober and reliable. References. Address. I. H. A. H. Frankfet St., Carlisle, Pa.

SITUATION WANTED By young man to learn the florist trade, sober and reliable; state terms. Address W. GREGORY.

Box 22 Markbam P. O. Onfarlo, Canada

STITATION WANTED By experienced gardener and florat to take charge to private place; It sears experience age 2 married to family Address.

J. It B. care American Florist.

STILLATION WANTED By gardener and florist with large expanse on Europe and America crossfeld temperate private procepulation of dress.

STRIATION WANTED A competent seedsman was the stratfor with a reliable seed house, can apear Dobb. German or English correspondence seeds their H. care American Florist

STITEATION WANTED As foreign in first class of metal stoners specializes roses money earlier for a real large fraction with up in other transfer of the real state profession. Commission Edwards with a profession.

STITATION WANTED B a good a round grower to the sore as to assess of remaining on the major positions. esta street in the best of Higgsindian position ages in citied. It for a returned Astroperature W.W. same American Floriat

CHIA TON WANTED As foreman or assissant to the foreign and argue for so houses. Heart of references that it is a size for each of the purities areas. A freeze

B.M. i. Spinie Ceseland is

SHIFAFFOR WANTED By practical florial of Lorar acceptance of peaks of flower grower power arms after a for a flow of the control of the contr

SITUATION WANTED—By single man age 25, as second man or to take charge of small place; good grower of cut dowers and bedding plants, steady and reliable; disenvaged March lst. Address It L. care American Florist, Chicago.

Oltuation Wanted—As foreman by practical fiorist and grower; specialty No 1 roses, carnations, mums, violets, general stock, etc.; now disengaged; age 18. Restreferences. Address W 11, care 164 E. Main St. Alliance, O.

OlTUATION WANTED—By practical florist and plantsman of experience and executive ability in all the requisites of commercial places; general propagation, inside and outside operation—For more particulars address—FT, care Am. Fiorist.

SITUATION WANTED—As foremen with some refined party by a practical grower of roses, carnations, violets, 'mums, palms, ferns and general stock, forcing of bulbs; a life experience: references O K. Address FOREMAN, care American Florist.

SITUATION WANTED—By a first-class cut flower grower with 15 years' experience, specialist in roses, married, ags 32. Nothing but first-class place wanted; state wages. Address CUT FLOWER GROWER, care American Florist.

SITUATION WANTED—As manager of park or private place; young German-American desires engagement; thoroughly experienced in all branches, can furnish best of references; married, family of two. Address RSL, care American Fiorist.

OlTUATION WANTED—A gardener experienced in propagating, culture of paims and terns foliage plants, roses, carnations, etc.; also in landscape gardening, botany and designing, would like a situation as foreman in a florist's establishment, park or college, Address

CUR. MARKEN,

76 Jefferson St., Buttle Creek, Mich.

OlTUATION WANTED—As foreman in cut flower establishment, mostly roses and carnations: must be up to date in conveniences; by all-round man, single, American, nine years' experience; don't use to-bucco or drink; west preferred; good wages expected, References.

2640 Cottage Grove Ave., Des Moines, Ia.

SITUATION WANTED—As foreman or manager in large commercial place by a dist-class grower of roses, carnations, "nums and general stock: life experience, married, age 3%; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references. Address

Rose Grower, care American Florist.

CITUATION WANTED—As foremen in good fiorists' establishment; first-class rose grower, also palms, ferns, carnations, immis, violets and general stock; or take charge of a gentleman's good private place. 20 years' experience in England and America, strictly temperate; good wages expected; married; disengaged about March lst. Good references. Address GEORGE NORTON, 164 Center St., Bridgeport, Conn.

WANTED-The address of Carl Jorgensen, Dane, Amager. Address L JENSEN, South Butte, Mont.

WANTED-Catalogues and price lists to Merrill, Wis., not to Sparta. Wis., as before.
NICK GRIEVELDING, Merrill, Wis.

WANTED- Young man to take charge of dorlst business and take interest in business. Address NEW YORK, care American Florist:

WANTED—Catalogues of limits roses, hardy herba-ceous plants, seeds, trees, shouls and plants, T. B. STROUT, New Philadelphia, O.

WANTED Man to fire four bollers steam and hot Apply with references etc. stating sulpost expected POEHLMANN BIOS , Morton Grove, Ill.

WANTED For general greenhouse work, an active and reliable young man; wages \$25 per month; willing to increase wages if suffed. Address Box 155, Danville, Ky.

WANTED Reliable man for roses and general floral work: good pay for good work. Address J. T. WILLIAMSON, Prop. La Rose Gardena, P. O. Rox 22, Memphis, Tenn.

WANTED A second-hand hot water heater; also gloss or 5in, plpe. Parties having such please correspond with M. L. BELCHER, Lock Hox. al, So. Braintree, Mass.

WANTED Assistant in rose houses under fore-man. Apply with reterences, etc., stating ability and salary expected. Address. PORILMANS HIGOS, Morton Grove, III.

WANTED AT ONCE. Young man with general knowledge of intracty stock instead satisfinan, send references and state wages expected to stock Forces Statescripts, Villa Sova, Ind. Co., Pa.

WANTED Partner in Chicago, with \$500 cash, to take half interest in new established, paying digital and greenlouse basiness, experienced man perfected. Address. M. N. care American Florist.

WANTED Address of nurserymen isomhern or central states or California) carrying brige stock of herbiceous species, low prices Catalogius or information requested F.N. Hatrion 5. Tyler St., Hoston, Mass.

WASTED A good sober, middle used man, either single or married, to grow mums principally; next come well recommended. A steady place for the rigid person. Address.

NAME OF SERVICE SERVICE AVE. Londwille, Ky.

WANTED-Foreman on commercial place, California; must be experienced in handling men; with ur questionable knowledge of propagating and growing, both inside and out; competent to take charge. Good habits and best of references. Address CARNATION, care American Florist.

WANTED-Young man thoroughly experienced in the best class of retail dorlst business: must be first-class in window, table and wedding decorations, also design work. Apply with references, ability, etc., stating wages expected. J. H. DUNDOP, 445 Yange St., Toronto. Can.

WANTED-A competent man for cut flower de-partment and making up floral designs and bou-quet work; also one that understands decorating and general greenhouse work. Apply CHARLESTON GREENHOUSES, 309 Meeting St., Charleston, S. C.

FOR SALE—One Alaska refrigerator in first-class condition.

JOHN 11. ORTH & CO., McKeesport, Pa.

HOR SALE-Two greenhouses heated with but water; good stock of plants; dwelling house attached.

FOR SALE—Greenbouse plant of 5,000 feet of glass In Jamestown, N. D; price \$1,500; ½ casb, balance may be paid in cut flowers. Address W. W. SEEKINS, 921 E 3rd St., Duluth, Minn.

FOR RENT-Seven greenbouses, stocked; dwelling and ind, steam heat; convenient for Baltimore wholesale market, and full local trade. Address MARYLAND, care American Florist.

FOR RENT-Greenhouse, 6 000 feet of glass on Main street; street cars pass the door; store and dwelling house connected with same place \$35 per month. P. N. SOETGA, 1692 Cedar Ave.. Cleveland, O.

#### FOR SALE.

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or rent with privilege of buving—established green-house property consisting of four houses about 100x25 feet each: holler house and pack rooms; 12-room mod-ern dwelling, two acres land; 1i miles from Philadel-phia, near R. R. station, steam heat; splendid chance for right party.

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As assistant; experienced in hot and cold fruit houses; also growing of gardennis, roses, carmi-tions, 'mums and general stock, private or com-mercial; age 25; industrious and steady; good references. Address,

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Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

Par particulars ELLIS & POLLWORTH, write Milwaukee, Wis.

#### The Skirm Bill.

Messrs. Patrick O'Mara, representing Peter Henderson & Co., the New York Peter Henderson & Co., the New York Florists' Club and the New York Market Growers' Association; John N. May and Chas. H. Allen, representing the New York Florists' Club; Henry C. Steinhoff, representing the New York Market Growers' Association, and Win. F. Dreer, of Henry A. Dreer, Incorporated, were given a hearing on Tuesday, the 15th inst., before the senate committee in Trenton N. Lin reference to the Skirm. Trenton, N. J., in reference to the Skirm Bill No. 66. Prof. Jno. B. Smith, of the State Experiment Station, and a delega-tion of nurserymen also attended. The florists and the nurserymen discussed the bill informally before submitting argument to the committee on agriculture and forestry. The result of the discussion was that an amendment offered by Mr. O'Mara was accepted as being satisfactory to the nurserymen and to Prof. Smith. The amendment is as follows: "Florists' plants, flowers, cuttings, scions and buds grown under glass and com-monly known as florists' stock are exempt from the provisions of this act."

During the discussion it transpired that there is a likelihood of similar measures being introduced in the different states in the country, and therefore it behooves the florists in the different states to take the matter up with their state legisla-tures. The New York Florists' Club has already appointed a legislative committee to look after the matter in New York state. The vice-presidents of the S. A. F. in the various states should look after this matter and focus the opposition of the florists in their state against legisla-tion which includes florists' plants in provisions which are really aimed at nursery stock. Every one agrees that florists' plants enjoy immunity from the diseases aimed at in these various laws, and it would be absurd to have laws passed in-cluding them. The house committee of congress adopted a similar amendment to the one just accepted by the committee in Trenton.

Northampton, Mass.

Since my last report trade has shown a decided improvement, and with the exception of a few stormy days has been very steady. Roses have sold well, but carnations are yet in the lead and were never better than at present; violets also sell well, and but very few go to waste. Bulbous stuff is coming in quite freely, and finds a ready sale at good prices; if

we had a few more saints like good St. Valentine we would not need to wonder if it would be advisable to start for the Klondike, for everything was sold out clean on the 14th, and roses and violets

were in short supply. Many more could have been disposed of.

A visit to the Botanic Garden found everything in apple pie order, as usual, and Mr. Canning as genial as ever. Mr. H. W. Fields' houses are also looking well.

G. W. THORNILY.

# Wholesale Flower Markets

| CINCINNATI, Feb. 17.                        |
|---------------------------------------------|
| Roses, Beauty select30.00@40.00             |
|                                             |
| " medlum                                    |
| Diries 5 00@ 1 00                           |
| Dridesmands 5 000 (.u)                      |
| Meteors 6.00@ 8.00                          |
| renes 4 00@ 5 00                            |
| Carnations 1 50@ 2.00                       |
| fancy 3.00@ 4 00                            |
| Valley 3 00                                 |
| Romans 2 00@ 3.00                           |
| Narcissus 4 00                              |
| Daffodils                                   |
| Violets                                     |
| Harrisli 12.50                              |
| Callas                                      |
| Tulips 3.00@ 4 00                           |
|                                             |
| Smilax                                      |
| Adiantum                                    |
| Asparagus 50.00                             |
| ST. LOUIS, Feb. 17.                         |
| Roses, Beauties 5 00@50 00                  |
| " Meteors 4 00 a 10 00                      |
| " Brides, Bridesmaids 4.00@10.00            |
| " Perles 3.00% 5.00                         |
| Wootton                                     |
| " La France                                 |
| Welcowing                                   |
| " Kalserine 4.00@10.00                      |
| " Carnot 4 00@10 00                         |
| Carnations                                  |
| Violets, California                         |
| " single                                    |
| Vailey 3.00@ 4 00                           |
| Harristi                                    |
| Callas 8.00@12 50                           |
| Tulips 3.00 a 5.00                          |
| Narcissus, Romans 2 (0)@ 3.00               |
| Smilax                                      |
| BUFFALO, Feb. 17.                           |
| Roses, Beautles                             |
| " Brides, Bridesmaids, Meteors, 6 046 10 00 |
| " Perles 4 00 @ 6 00                        |
| " Niphetos 1 00 å 6 00                      |
| " Kalserin, Mermets                         |
| Carnations extra                            |
| ordinary                                    |
| Valley                                      |
| Violets. 1 (00@ 2 (0)                       |
| Romana                                      |
| Romans 2.00@ 4.00                           |
| Harristi                                    |
|                                             |
| Adlantum                                    |
| Asparagus                                   |
|                                             |
|                                             |

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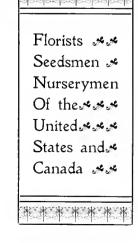
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# Wholesale Flower Markets

| CHICAGO, Feb. 18.                           |
|---------------------------------------------|
| Roses, Beautiesper doz, 2.00@6.00           |
| " Brides 1.1000 5 00                        |
| " Meteors Bridesmaid, Kalserin., 4,000 5.00 |
| " Perie Contlers                            |
| " La France. Testout 5.00@10.00             |
| Carnations, common 1.00@ 3 00               |
| fancy 2.000 6 00                            |
| 50@ 1 00                                    |
| Violets50@ 1.00                             |
| Narcissus, Romans 2 00ca 4 00               |
| Calles 10,00 g 12.00                        |
| Marriell 13.4 (R&15 14)                     |
| Valley 2.00ka 3 00                          |
| Tulips 1 (Mkd 5.00)                         |
| Tumps                                       |
| Von Sion                                    |
| Hyacinths                                   |
| Adlantum                                    |
| Smile #                                     |
| Asparagus                                   |
| ushujuma                                    |

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Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange,
Tel. 961 18th Street. NEW YORK CITY.

# Wholesale Flower Markets

NEW YORK, Feb. 16

| " Br des, Bridesmald 3 00@ 10 00        |  |
|-----------------------------------------|--|
| " Testout, Carnot 4 00@12.00            |  |
| " Murgan, Meteor 3.00 a 10.00           |  |
| Carnations 1.00@ 2.00                   |  |
| " fancy 2 50@ 4.00                      |  |
| Valley 1.00 a 4.00                      |  |
| Mignonette                              |  |
| Violets                                 |  |
| Harristi 5,00@ 8 00                     |  |
| Tulips 1.50@ 3.01                       |  |
| Smt/ax10 00 a 12.00                     |  |
| Cattleyas                               |  |
| Daffootis, Jonquils 1.00@ 3 00          |  |
| BOSTON, Feb. 16.                        |  |
| Roses Reauties                          |  |
| " Perie, Niphetos 2 00@ 4 00            |  |
| " Bride, Bridesmald, Morgans 4 00@12 00 |  |
| " Carnot Meteor 6.00@12 00              |  |
| Carnations, ordinary                    |  |
| fancy                                   |  |
| Valley, Daffodiis                       |  |
| Violeta                                 |  |
| Hyacinths, Narcissus, Freesia           |  |
| Tuilps                                  |  |
| •                                       |  |
| PHILADELPHIA Feb. 16.                   |  |
| Roses, Beauties, per dezen 3.00@8.00    |  |
| Teas, firsts                            |  |
| " select                                |  |
| Carnations 1 50@ 3.00                   |  |
| Valley 3 00@ 4.00                       |  |
| Violets                                 |  |
| Narcissus 2.50(ā. 3.00                  |  |
| Hyacinths                               |  |
| Harristi                                |  |
| Daffodtis                               |  |
| Tulips 4.00                             |  |

# John I. Raynor,

49 WEST 28th STREET,

-NEW YORK.

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations

# THOS. YOUNG, JR.

\* \* Wholesale Florist

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WALTER F. SHERIDAN,

FLORIST
39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

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Will find a good market and good returns for their stock at....

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53 W. 30th Street, - NEW YORK.

Edward C. Horan, 34 W. 29th Street, NEW YORK,

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Careful Shipping to all parts of the country Price list on application.

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Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments moothly, or offener if required.

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# JAMES M. KING

Commission Dealer in

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# THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

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Specia Attention Given to Shipping Orders.

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FLORISTS' SUPPLIES.

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and all other choice cut flower stock.

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Price list on application.

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WHOLESALE COMMISSION,

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Cut Flower Exchange. NEW YORK.

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40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders

Long Distance Telephone 5008 A.

#### Philadelphia.

LADIES' RECEPTION AT THE FLORISTS' CLUB .- BUSINESS ALL RIGHT .- BEAUTY ROSES SCARCE.—POT PLANTS SELLING

The ladies' reception at the Florists' Club rooms on next Tuesday evening, the 22nd promises to be a most enjoyable affair. The programme includes a short musical and literary menu followed by games on the shuffle boards and bowling alleys. Only ladies will be allowed to play, and there will be three prizes and a booby for the winners at both games. Refreshments will be served during the evening and everything done to give the fair visitors a pleasant time.

Business has been all right for some time past, and nearly all branches of the craft are satisfied, except possibly the growers of Beauty roses who say they can't cut anything like enough to fill their orders. Retailers complain that Philadelphia Beauties are getting too famous over the country, and that so many are being shipped, the home market is kept con-stantly bare, there being none except on orders. The market for other stocks of flowers is pretty well supplied at the same rates as have prevailed for the past few weeks. Princess of Wales violets are now coming in fine and sell very well. Daffo-dils are a little too plentiful, and are sold as low as \$3 per hundred for very fair stock.

It is a little too early to speak of Easter stock, but there bids fair to be a fine lot of everything usually forced for this busy season. Mr. Harris has weeded out most of his diseased lilies and the balance are looking fine. A large lot of Japanese longiflorums are being grown quite elose together to get them to push up a little the tendency of this variety being to grow short and bushy.

Pot plants are selling better, there being now quite a large variety to choose from, the balmy spring-like weather of the past week is also conducive to their

sale.'
D. D. L. Farson is now in it and his violet window is very attractive, there is violet crepe paper and violets, barrels of them, and the barrels are violet hued. Wiolet ribbons support violet colored bottles filled with violets, everything except the countenance of the redoubtable Dan, which is as bright as ever, partakes of a violet tinge.

FLORISTS' MUTUAL

# FIRE INSURANCE ASS'N

Application Blanks and Prospectus Ready....

W. J. VESEY, Sec'y, - Ft. Wayne, Ind.

# THE WABASH R. R. COMPANY

The Short and Q = 5. Line between the Last and West connecting Buffalo Detroit ar 1.7 or fo with Chloride St. Look Kansker Christian Combination of Christian Christia

H B McCLELLAN, G. E. A.,

387 Broadway, New York City.

J O McBEAIH, N E P A., 5 State Street, Boston, Mass.

C. S. CRANE, Gin. Pass & Tit Agt, St Louis, Mo. | NEW YORK, 14 Briclay St.

Business is moving along steadily in this city and the prospects are good for Easter trade, provided, of course, that the florists have a "good weather week' during that holiday.

The following gentlemen have signified their intention of paying a visit to the metropolis of the West during the carnation convention this week: Fred. Breit-meyer, Frank Holtznagle, George Rack-ham, and perhaps Gust H. Taepke, The undersigned hopes to be one of the delegation from here. Parks.

RAFFIA BEST QUALITY.
LUNG MAD 4 GASCAR
Having purchased on a very lavorable market, and wishing to move the stock quickly, make the following special low quotations for prompt orders: Grafting Wax

Trowbridge's celebrated Gratting Wax, the genuine article, 1 lb. bars at 19e; ½ lb. bars at 20e; ¼ lb. bars at 21e per pound. Rebates: 10 lb. lots, 5 per cent; 25 lb. lots, 10 per cent; 50 lb. lots, 15 per cent; 100 lb. lots, 20 per cent.

G. C. WATSON, Juniper, below Walnut, - PHILADELPHIA. A SET OF & &

# Long's Florists' Photographs

Will please you in your business and bring you profits. & Sets, \$1.75 up.

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GEO. E. COLE & CO. Blank Book Makers. Stationers and Printers

> 86 and 88 Dearborn Street, CHICAGO.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

# Flora Hill

CARNATION

> nothing in sight to at all equal it. It speaks for itself where-

ever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40.00 per 1000.

Our trade list is issued. If you have not received one send for it.

E. G. HILL & CO., Richmond, Ind. 

For Spring of '98 Now Ready

EVELINA, per 1000 \$80. MRS. S. A. NORTHWAY.

WHITE CLOUD. ARGYLE.

GOLD NUGGET. BON TON.

Price for strong, well-rooted cuttings, per doz., \$2.00; per 100, \$10.00; per 1000, \$75.00.

#### VARILTIES OF 1897

FLORA HILL JUBILEE, MAYOR PINGREE, MRS C. H. DUBME MORELLO

Strong, rooted cut-tings from flats, per doz., 75c; per 100, \$5, per 1000, \$40....

#### STANDARD VARIETIES

ALASKA...
DAYBREAK
LIZZIE McGOWAN..
MINNIE COOK...
WILLIAM SCOTT
EMMA WOCHER...

Transplanted plants from flats, per doz., 30c; per 100, \$2; per 1000, \$15.

CALADIUMS, Lanes Leaved, choice bulbs in manied sorts, per doz., 75c; per 100, \$12.00

**VAUGHAN'S SEED STORE,** 

84-86 Randolph St., CHICACO.

# Society of American Florists and Ornamental Horticulturists.

President W. F. Gude has appointed the following gentlemen to serve on the Executive Committee of the Society of American Florists: For two years, Mr. Edmund M. Wood, Natick, Mass. For three years, Messrs. John H. Taylor, Bayside, N. Y.; W. W. Coles, Kokomo, Ind., and E. H. Cushman, Euclid. Ohio.

WM. J. STEWART, Sec'y.

#### St. Louis.

The market opened up for the week with a good demand, but very little stock. It is impossible for commission men to fill all orders. Good roses are in great demand and selling at higher prices. Carnations are scarce and bring good money. Violets not so plentiful as last week and bring about double the money lately quoted.

A. J. B.

# FAXON'S "WHITE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at \$1.00 each.
M. B. FAXON,

Lock Box 1528,

BOSTON, MASS

Correspondence solicited.

# ..PANSIES..

200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants: large size, ready to bloom, \$5.00 per 1000: extra medium size for cold frames, \$4.00 per 1000. Extra 75c per 100 by mail.

... SEED...

of the finest strain. \$1.00 per pkt. of 3000 seed; \$6.00 per ounce;

Cash with order.

E. B. JENNINGS, Southport, Conn.

Grower of the finest Pansies.

# John Conley & Son,

Manufacturers of

## TIN FOIL

2 AND 4 DOMINICK STREET,

\_New York.

# Boston Florist Letter Co.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 % or 2-inch size, per 100, \$2.00. Script Letters \$4 Faste -er with each letter or word Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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WHOLESALE

# **Commission Florist**



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# Folding Boxes and Wax Paper

The Aull Bros. Paper & Box Go.

\*\*\*\*DAYTON, OHIO. \*\*\*

It is good business policy to mention! the American Florist when you write to an advertiser.

#### The Free Seed Distribution.

A Southern Congressman received a letter some time ago which, being like hundreds of other communications, did not attract attention. It read as follows: BLANKVILLE, Jan. 4, 1898.

DEAR SIR:-Will you please send me a pareel of cow peas from the government distribution? Very truly yours,

JAMES LANCASTER.

The package was duly sent. A week later there came another letter. It made the following request:

BLANKVILLE, Jan. 10, 1898. DEAR SIR:-Please send me some cow

peas. I only want one package.

MARY LANCASTER.

The Congressman promptly complied with the request, and thought no more about it until five days later, when there came still another letter. It was postmarked at the same country town, and was evidently from a member of the same family as his two previous correspondents. The Congressman rather smiled as

Blaskville, Jan. 15, 1898. DEAR SIR:-I should very much like to have one of the bags of cow peas which you are sending free. I am your friend, and hope you will be re-elected. Yours Samuel P. Lancaster. truly,

The letters did not stop coming. Three more arrived, one from the mother of the Lancaster family, one from a daughter, and another one from a son. The Congressman thought that his constituents intended to plant a ten-acre lot with cow peas. Nothing of the kind, Yesterday he received a letter which told of the use to which the government seeds had been put. It said:

BLANKVILLE, Jan. 29, 1898. Dear Mr. Congressman:—We got all the packages of cow peas and thank you very much. We put all the peas together and boiled them for dinner. It was the best meal we have had for a long time.

With many thanks. Yours truly,

JAMES P. LANCASTER.

-Charleston News and Courier.

# GERANIUMS that will please you and prices that will suit you

S. A. Nutt. LaFavorite, Heteranthe. §2.50 per 100. §20.00 per 1000; Beaute Porteyine, Mary. Hill. §3.00 per 100, Mine, Bruant, Frances Perklins. §3.00 per 100. 10 varieties Coleus. J. varieties. Carnations. 2 varieties oleus: A varieties Carnaticals 2 var Ageratum, Prices upon appliention,

H. R. CARLTON, Willoughby, O.

# Palmer's Hot Bed Mats

and seeds of all kinds

Indestructible, Cheap and Warm

WILL not harbor mice or vermio. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

#### MADE IN FOLLOWING GRADES:

No 1 Burlap Cloth, filled with combination wool and quilted, seams 3 inches a part and edges firmly bound.

Size 40x76 inches, 50 cents each.

Made any length, 76 inches wide, at 12 cents per running foot.

No. 2-Duck Ctoth outside, tilled and quilted 2 ×

So. 2- back color obsisted, there and quired same as No. 1.

Size 40x76 inches, \$0.75 each,

76x76 1.00 9

Made any length, 76 inches wide, at 16 cents per running foot.

No. 3—Waterproof, made of oil duck, filled and quilted same as Nos. 1 and 2.
Size 40x76 inches, \$1.00 each.
7 76x76 \*\* \$1.25 to \$1.50 each.
Made any length, 76 inches wide, at 20 cents per running foot. 30 That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

PATENT APPLIED FOR.

QUILTED HORSE BLANKETS the Cheapest, Warmest and Strongest in the World.... The R. T. Palmer Co.

Or New London, Conn.

113 Worth Street, NEW YORK Address all correspondence to The R. T. Palmer Co., New London, Conn. Agents wanted pay good commission.



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Seasonable Specialties: CYCAS WREATHS. MOSS WREATHS.

#### FERNERIES AND JARDINIERES:

Norman Style in Sprays, Tinted and Delft. Tuscan, in Sprays, Tinted and Delft. Milan, in Sprays.

OUR LEADING NOVELTY: LACE VIOLET HANDKERCHIEFS.



### Wheat Sheaves and Immortelles.

The largest and best stock in America.

New Catalogue of all FLORISTS' SUPPLIES o application. IF For the trade only.

H. BAYERSDORFER & GO.. 50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

# Carnation...

# ARGYL

Wins Certificate at Chicago Convention.

STOLLERY BROS. Argyle Park,

#### THE SEED TRADE.

#### AMERICAN SEED TRADE ASSOCIATION,

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

#### Of Importance to Importers.

An order has been issued from the State Department at Washington to all U.S. consuls that hereafter all shippers of bulbs and plants to the United States must, previous to making shipments, deposit two copies of their catalogues or written price lists at the local consulate; that the contents of each case must be specified plainly upon the invoice and the latter must also state the variety, name, size, color, etc., of bulbs, azaleas, rhododendrons or other plants, and all other details bearing upon their value, before same can be approved.

These particulars must appear opposite the items to which they relate, as:

5000 Roman hyacinths 11 to 13 atper 1000.

5000 Dutch hyacinths, mixed, pink, 1st

or 2nd quality at — per 1000. 1000 Dutch hyacinths, Norma, atper 1000.

100 Rhododendrons, 7 buds at -

250 Azaleas, Vervæneana, 15 in. at -And the prices given on invoice must agree with prices quoted on same article in catalogue of shipper. If any difference is shown between catalogue quotations and invoice, full reasons for said difference must be given on invoice, same to be passed upon by the appraisers at port of

Importers will understand the necessity that they insist that shippers are careful to observe the above rules and show in invoices every detail hearing upon the value of the goods, otherwise the goods will not be admitted and loss will result. We are informed that it is the intention to enforce the rules literally and rigidly.

#### American Potatoes in England.

Writing on this subject in the London Garden, Messrs. James Carter & Co. state that a correspondent of that journal "is not quite correct when he states that Beauty of Hehron is the longest lived in this country of the American introduc-tions, for it was many years previous that Early Rose came over, and is still grown in large quantities. We were among the first to bring it into general notice, and have still the original stock on our seed farms. As proving that there is still a market for it, we may state that we have already disposed of a large quantity of seed this season. Most of the American varieties serve us best here in a dry summer, and give the most satisfactory results on light and well drained soils.

#### Toronto.

Business continues very good, but stock is short. One large grower says he can't nearly fill the orders coming in. The very cloudy weather we have had ever since the beginning of November is no doubt principally to blame. It is many years since we have had such dearth of smiles from Old Sol as during the last three months.

The Gardeners' and Florists' Association held their annual meeting on Thursday evening, February 10, and had the usual good time. TORONTO.

# JOSEPH BRECK & SONS, CORP'N.

# Peas, Beans and Sweet Gorn

# GARDEN SEEDS

Wholesale Catalogue Now Ready

\_\_OF ALL KINDS

18 N. Clark St., CHICAGO.

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# Seed Stores and Flower Stores

Can profitably handle our Packages of Plant Food Attractive, take little 🧀 🎿 shelf room. Valuable & Dooklet free. Good profits.

The WALKER FERTILIZER CO. Clifton Springs, N. Y.

# THE ALBERT DICKINSON CO. KASS SFI

Parks, Tennis Courts, Lawns, &c.

in fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE. CHICAGO, ILL.

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Pure Eastern-grown Corn and Seeds. Con-tract with the EVERETTB, CLARK CO, for 1898 Crop. Sole Manufacturers and Proprietors of the Genuine Trowbridge Grafting Wax, now ready in 1-lb. bars at 11c; ½-lb. bars, 12c; ½-lb. bars, 13c.

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THE EVERETT B. CLARK CO. MILFORD, CONN.

BEST OF ALL'' TOMATO
"ENGLISH" MELONS
(FOR PORCING)

FLOWER SEEDS FOR FLORISTS
Catalogues on application.

WEEBER & DON, Seed Merchanis and Growers, 114 Chambers St., NEW YORK, N. Y.

# DS LAWN GRASS \$12.00 per 100 lbs.

Quality Ever Offered (Retails (a 30c, lb, J. CHAS. McCULLOUGH, SEEDSMAN, RECLEANER AND JOBBER GRASS SEEDS North-East Second & Walnut Sts., Cincinnati, O. Send for Illustrated Cutalogues.

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WE import all kinds of Japanese Bulbs, Plants and Seed, and have our own Nurseries and Farms in Japan. We expect large shipments of Lilium auratum, L. spec. album, rubrum, Melpomene Cycas stems and Maples. Prices on application.

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No. 15 Broadway. NEW YORK.

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## CLUCAS & BODDINGTON CO.

Importers and Exporters of

# Seeds, Bulbs & Plants,

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JOS D. BEDLE, Secty.
S. M. PEASE, Gen'l Mgr.

V. P. SNYDER, Vice-Pres.
R. S. FOWLER, Trens.

# The Cleveland Seed Co.

Contract Growers of

and General

## **JOBBERS IN SEEDS.**

Cape Vincent, N. Y.

ALWAYS mention the AMERICAN FLO-RIST when writing to advertisers.

#### Dracaenas.

NOTES ON PROPAGATING AND CULTURE.

Answering inquiry of "Toronto," I will state that in order to color dracænas properly three points must be carefully observed. First, the plants must be properly potted, secondly they must be grown on briskly in a stove-house temperature with plenty of moisture in the air, and they must have lots of light to produce the best results. Few plants are prettier for the center of a table or for room decoration than a well grown or nicely colored dracæna, and where one can command an abundance of heat, light and moisture no plant is easier to grow satisfactorily, but the conditions named are indispensable.

Dracanas are easily propagated and by several methods. The tops may be cut off and placed in a bottle of rain water, adding a piece of charcoal; the tops may be rooted on the plant by cutting away a small portion of the bark about one-eighth inch wide and three parts around the stem, then make an upward cut about one inch cutting half way through the stem, draw a little moss into the cut to keep it open, then place a ball of moss around theent, bindit tightly with raffia, keep well moistened and it will soon root through, when it should be cut off below the ball, and without disturbing the roots; pot into 3-inch pots, using at this stage a soil composed of three-fourths fibrous loam, one-fourth sphagnum moss. rubbed through a half-inch-mesh sieve, adding a little coarse sand. The old stems or imported canes may be split the full length and laid flat side down under the benches in the stove house, covering them with two inches of sand and they will soon break away at the joints and make roots, when they may be divided and potted into 2-inch pots.

The roots of dracenas in most eases form fleshy tips, and often near the sides of

the pot; these may be taken away carefully, so as not to disturb the mother plant, and put in sand in the propagating bed, covering with sand about two inches in depth. They will soon make plants. Indeed, dracanas propagate naturally by these tips and by seed, but the latter is too slow except on a very large scale. On the plants developing into specimens I use for 7-inch and larger pots, loam, lumpy peat, adding a little charcoal, and where the character of the loam demands it, enough coarse sand to keep it open and healthy.

Brisk heat, plenty of light and moisture (except on dull days of course), will give you fine plants with leaves to the pot and no complaint about the coloring.

WILLIAM RAYNOR.

The most sh wy semi-climber of recent remote in wy semi-ember of recent latroduction. Strong 31: ch plants pow ready. Also Little Cem Callas. 2\(\frac{1}{2}\) Inches Logan Berries. Strawberry Raspberries. Mayberries. Write for list and prices.

The Conard & Jones Co. WEST GROVE.

#### NEW . GIANT . ESCHSCHOLTZIAS. "THE GOLDEN WEST."

New Giant Fancy Cosmos, six splendid varieties, separate, \$1 oz.; Giant Cosmos, splendid varieties, separate, \$1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sanbeams," \$1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh, \$1 per 1000 seeds; New Large Flowering Zonale Geranium, \$2.50 oz.; Ipomaea, "Heavenly Blue," \$1 oz., \$12 lb.; Laurustinus grandillora, \$1 oz.; Zinnias, "New Curled and Crested," 50c oz.; \$5 lb.; Nasturtium Good Venture Mixture, 60c lb.; \$8 per 15 lbs.; Seaforthia elegans (Palm) 40c per 100 seeds, \$3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD. Ventura-by-the-Sea, Cal.

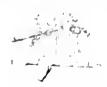
Please mention the American Florist

## 

Vick's Branching Aster Sweet Peas New Daybreak Aster **Dahlias** Begonias Gloxinias Flower and Vegetable Seeds

VICK'S GARDEN and FLORAL GUIDE for 1898 the paoneer Seed Catalogue of America, is a perfect beauty, the best one we have issued in the forty nine years of our business. We can honestly say that It leads them all. Those interested in the trade would do well to send for a copy of both wholesale and retail at once.

# JAMES VICKS SONS, ROCHESTER, N.Y.



.ISTEN!

# Bargains in Valleys

from a newly arrived consignment we offer ....

Fine Hamburg Lily of the Valley Forcing Pips

A Scheeted run 410 per 1900 (23 the box of 2,500 B. Ordinary run § 8 per 1900) 418 the box of 2,500 Set 20 days to approved accounts, less ten per cent for each with order.

AUGUST ROLKER & SONS, 52 Dey St., New York

# TUBEROUS BEGONIAS

\$4.00 per 100. .\* These are large, extra fine 🧀 Bulbs, English strain.

ILIUM SPECIOSUM RUBRUM, \$3.50 per 100 LILIUM SPECIOSUM ALBUM, \$4.50 per 100

Common B. B. and Free Boses L. C. BOBBINK, Rutherford, N. J. Branch of The Horticultural Co., Boskoop, Holland.

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| DUKE OF MARLBORO, darkest crimson<br>DUCHESS OF MARLBORO, only pure pink | 30,00    |
|--------------------------------------------------------------------------|----------|
| DUCHESS OF MARLBORG, only pure pink                                      | 30,00    |
| DUCHESS OF MARLBORG, only pure pink                                      | 30.00    |
|                                                                          |          |
| TOPAZ, only absolutely large pure yellow.                                | 50.00    |
| LORRAINE, pink, edged white, fine                                        | 30.00    |
| MAIDENS BLUSH, delicate flesh color                                      | 15.00    |
| GOLDEN PEARL, yellow, nearly double                                      | 30.00    |
| CUBA. finest and largest gilt edged                                      | 40.00    |
| GLORIOSA, very dwarf, March delivery                                     | 12.50    |
| PHILADELPHIA, glowing erimson                                            | 15.00    |
| CHAMPION, largest, glowing searlet \$5                                   | .00 each |
| KLONDIKE, only large pure orange \$2                                     | 50       |
| Send for complete list of 50 populties:                                  |          |

standard varieties at lowest prices.

#### OUR CANNAS IN FRANCE.

#### **ASPARAGUS SPRENGERI**

Fine plants in 6-inch pots, ready for 8-inch \$5 per 12.

AMARYLLIS..... Veltch's Hybrids, \$4 per 12: Equestra, \$4-per 100; Formoslashna, \$3 per 100.

#### CALLAS

Spotted Leaf. \$3; Black, \$5; Yellow, \$30; all per 100. Golden, \$2 each.

#### DAHLIAS

11 prizes out of 22 at the last Dahila exhibition first prize Dahila, Gill.T. EDGE. \$15 per 100 Send for special list.

A. BLANC & CO., Philadelphia, Pa.

# SPRING BULBS

| LILIUM AURATUM. Per 100                                | Per 1000  |
|--------------------------------------------------------|-----------|
| 7-9 inch\$3.7<br>9-11 inch5.0                          | 5 \$35.00 |
| LILIUM RUBRUM (Speciosum) 7-9 inch. 4.7 9-11 inch. 6.7 | 5 40,00   |
| LILIUM ALBUM (Speciosum) 7-9 inch                      | 0 55.00   |
| 9-11 inch                                              | 0 65.00   |

# BEGONIAS TUBEROUS

|         |          | KOOLED |      |       |
|---------|----------|--------|------|-------|
| Single. | separate | colors | 3.50 | 30.00 |
| Double, |          | **     |      | 00,00 |

#### TUBEROSES....

True Excelsior Pearl.
"Hallock strain" First size..... 1.00 7.50

#### **GLOXINIAS** ......Per doz., 85c; per 100, \$5,00 CALADIUMS ....

Funcy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00.

#### CALADIUM ESCULENTUM

| Cured a    | nd sor   | and ba   | lbs with | nve e | enter |
|------------|----------|----------|----------|-------|-------|
| shoots.    |          |          |          | Doz.  | 100-  |
| 5 to 7 inc | hes in   | eireum   | ference§ | 40    | 82.50 |
| 7 to 9     |          |          | **       | .65   | 4.50  |
| 9 to 12 3  |          |          | 1.4      | 1 00  | 6.50  |
| 50e per 1  | 00  less | on 7/9   | inch and | 9-12  | inch  |
| Sizes if s | drippe   | l from l | New York |       |       |

# GLADIOLUS XXX Florists Mixture Per 1000 ... \$1.75

# **VAUGHAN'S SEED STORE**

NEW YORK 14 Barciay St.

CHICACO 84-86 Randolph St.

#### FLORISTS' FLOWER SEEDS.

| I LUMBIO I LUMEN                       | OLLDO.         |
|----------------------------------------|----------------|
|                                        | Trade Pkt. oz. |
| Aster Betteridge Prize mixed           |                |
| " Dwart Peony Perfection               |                |
| " New Dwart Bournet Bullze             |                |
| " Victoria, extra tine mixed           |                |
| Balsam, Double Camellla flowered, v    |                |
| Belils perennis, double dalsy          |                |
| Deme percuise, donate dates            |                |
| Carantion, choice double               | ,50            |
| Centaurea candidissima                 | 25             |
| " gymnocarpic                          | 15             |
| Cosmos                                 | ,15            |
| Lobella                                | , 20           |
| Resedu odorata granditiora             |                |
| Noncortium, ticlfor dwarf              |                |
| Panny, H & R Glants                    |                |
| " H & B extra Jurge                    |                |
| Stocks, German Ten Weeks               |                |
| Verbenn, Mammoth, very fine            |                |
| A discount of 10 percent, on all ord-  |                |
| Our seeds are strictly first class and |                |
| this action are serviced than the      |                |

order. We carry a full stock of all different kinds of flowerseeds. Sent by until postpaid. HECKENKAMP & BLAESING, Soodsmen, 6th Ave. and Adoms St., - QUINCY, ILL.

#### Milwaukee, Wis.

The past two weeks have been what may fairly be termed a little slow. All florists have purchased and displayed in their windows the usual number of flowers: they have all made a nice display daily, but there were not many orders filled except from this display stock. Good sized standing orders have been reduced, although the amount purchased is almost equal; this is due to the fact that the supply at wholesale market has improved some in quantity and quality, so that florists feel safe in taking their chances from day to day in picking just what they want, thereby taking less chance of waste, the consequence being that the best sells first, and the inevitable waste falls heaviest on the grower. About the poorest paying stock when grown in quantity is callas. One change is notice-able, and in line with improved taste is the "cold shoulder" being turned to Von Sion narcissus. There has been quite a stock on this market, much of which is not first-class. The single narcissus, such as Princeps and the smaller varieties with as Frinceps and the smaller varieties with more grass-like foliage, called jonquils, are much more popular. Pansy blooms and mignonette plants, notably those grown by Mr. Zepnick, nieet with favor. Azalea plants are coming slow and steady and sell promptly. The violet supply is very good and sells quite well. The same is said of roses, except Beauties—the quality is not such as induces florists to put them to the front.

The retail buyers are beginning to learn that the price of carnations varies according to quality, the same as with roses; most florists have their order file quite full for this week. From February 14 to tull for this week. From February 14 to 22 promises to be one of the busiest weeks on record. If the present weather continues, both grower and retailer will do well. The use of Alabama smilax is quite popular, one florist alone has orders requiring fourteen cases.

A centerpiece arrangement designed by by a local florist, has become quite popular of late. It is made by the use of a few potted plants and cut stuff arranged in the form of an irregular mound. This is varied in size and shape to suit the situation. The flowers used are most frequently "spring flowers," pansies and violets, and their foliage are arranged in the lower niches. Narcissus, freesias, etc., in clusters higher up, a few grasses with gladiolus or a stalk of something prominent on top. Such an arrangement looks entirely different from different points of view, and society ladies are quite enthused. One of these had a strangely-shaped Daphne odorata which projected out mostly to one side, this not having much foliage. Asparagus tenuissimus was growing up the branches and hung over very daintily. Under this was a flat of moss and lycopodium in which a few valley were in natural position. The other side was rounded out, on which

were tulips and narcissus.

Mr. A. Klokner's large stock of orchids is improving under his care, and peeps in his houses suggests the idea of his making a specialty of them in the near future.

WINDOW AND PLATE ASSJOHN LUCAS & CO. PHILA. A. E. VAUGHAN

C. W. McKELLAR

ED. F. WINTERSON

# Vaughan,

McKellar & Winterson,

Wholesale



# Commission Jobbers...

In CUT FLOWERS,

Plants, Seeds, Bulbs

And All Florists' Supplies

Manufacturers of WIRE GOODS High-Grade Stock Our Specialty &



Vaughan, McKellar & Winterson, 45-47-49 WABASH AVENUE, CHICAGO

# **WOODEN LABELS for FLORISTS and NURSERYMEN**

Being located at the head center of this country for White Pine Lumber we are able to buy our stock right and turnish our customers with goods of the best quality and at prices which will put them at your station lower than the lowest. Our factory is thoroughly equipped and turning out promptly the most uniform, smooth and best painted goods made in this country, put up in neat packages, guaranteed full count and nicely crated.

SEND FOR SAMPLES AND PRICES.

WOODEN GOODS COMPANY, 83 Western Ave., MINNEAPOLIS, MINN.

To Fill One House With General Stock

Send your surplus cash prices only. Address offers and catalogues 10 .....

Parlor City Floral Co., CEDAR RAPIDS. IA. PURE DRIED BLOOD. Cin'ti Desiccating Co.

#### Louisville, Ky.

Business has been very brisk in the past few days. Monday especially, every florist in the city was kept busy answering telephone calls and getting out orders.

Roses and carnations have been scarce all winter, but the growers have not been fortunate enough to receive any more for their stock than in previous years. I have always thought it has been on account of this city not having a commission house. Every grower in the city must come or send to town and peddle his stock at whatever price he can get, therefore losing much valuable time and getting very little money for his stock. I think if some enterprising man who is posted in the commission business would open a house here the growers would be willing, nay anxious, to send him consignments.

The Kentucky Society of Florists have concluded to hold their annual spring show on March 30 and 31 and April 1 This one promises to eclipse them and 2. This one promises to eclipse them all. These spring shows have always been a financial success, and have been the means of adding many a dollar to our treasury, and we hope to see many consignments of flowers, especially new varieties of both plants and cut flowers, from florists outside of the city.

Nanz & Neuner are cutting some of the finest mignonette ever seen here, and it has been said they are cutting it by the bushel.

C. H. Kunzman is still cutting some very fine sweet peas, which have been in crop with him ever since Christmas. C. H. K.

#### Old Rose Soil.

"Canadian Subscriber" asks what to add to old rose soil to fit it for use in transplanting tomato and celery plants. Do not use old soil at all if you can avoid It is the worst kind of economy to make use of an old worn out soil. Fungous diseases are apt to be increased in this way also. If a crop is worth growing at all, the best fresh new composted soil is none too good. Rose soil posted soil is none too good. Rose soil if proper for roses is too heavy for tomato and celery plants. If "Subscriber" is compelled to use it, lighten it up with leaf mold, and sand, add a liberal amount of well rotted stable manure, and sweeten it with wood ashes (unleached). If the latter can not be obtained use slaked Χ.



**ORCHIDS** 

Our Specialty. Correspondence Solicited. LAGER & HURRELL, - Summit, N. J.

Say "saw your ad in the Horist" when you write advertisers.

# HARDY

**Herbaceous Perennials** THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

When writing mention the American Florist.

# BOSTON FERN

Nephrolepis Exaltata Bostoniensis. Strong plants, 6-inch pots, \$1.00 each; \$12.00 per doz.; also three varieties of PTERIS, bushy plants, 5-inch pots, 20c each; \$2.40 per doz.

JOHN WELSH YOUNG. ....CERMANTOWN, PA.

#### ROSE HILL NURSERIES. SPECIAL OFFER

Cocos Weddeliana \$6.75 per 1000.

SIEBRECHT & SON, New Rochelle, N. Y. New York Office. 409 Fifth Avenue.

# BEGONIAS

J. L. SCHILLER, 404E. 34th St., New York. Sole Agent for Louis van Driessche, Ghent.

# FEBRUARY OFFER. $_{\mathrm{Per}\ 100}$

Alternanthera, Yellow, \$1.50; Rad....\$2.00 Oxalis Floribunda ..... 2.50 Ceraniums, 16 Var., 2-in. pots ...... 2.50 Pansy Plants ...... 1.00

JOS. H. CUNNINCHAM, Delaware, O.

# DWARF PAPAYAS

M DST magnificent bedding and decorative plant known. Equal to a palm in beauty and manner of growth; grows with the ease of the Ricinus and endures drought with impunity. Plants from 4-in, pots set out June 1st attained a height of 10 feet and though not watered once, remained fresh and vigorous throughout the extreme drought. Also produces a delicious fruit; as easily grown as a tomato. Our plants are propagated from a tree which has produced this winter 192 lbs. of fruit, the largest weighing 12 lbs Send for half-tone illustration from photo showing bed of these plants. Livery florist needs it. Price \$2.25 per 12 for 3-in, pots, ready May 1st. We are headquarters for tropical plants. Send for list.

## Martin Benson,

DONGOLA,

ILLINOIS.

# Palms.

Pandanus Veitchii.

Ferns and Araugarias.

IN ANY QUANTITY.

#### JOHN SCOTT.

Keap Street Greenhouses,

# ROBERT CRAIG

and Novelties in Decorative Plants.

Market and 45.... Market and 49th Street, PHILADELPHIA, PA.

IN BEST VALUE

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.

Cocos

**Healthy Growing Plants** Samples for Stamps

Weddeliana...

246-inch pots, \$6.00 per 100.

# VIGTOR GARNATION

From sand. \$4.00 per 100; \$35.00 per 1000. The best pink on the market!

B. REDFIELD. JUNE PA.

# AND

150 Tremont Building. BOSTON, MASS.

BRILLIANT GREEN AND BRONZE

#### GALAX LEAVES.

For Decorating and all Florists' Designs. CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.



# **EVERGREENS**



FLORISIS AS WELL AS NURSERYMEN HANDLE MY NURSERY-GROWN EVERGREENS AT A BIG PROFIT

Leaders for this season. 300,000 transplanted Hemlocks. Over 1,000,000 of the beautiful Rocky Mountain Evergreens. 200,000 Red Cedar from northern seed and millions of the old standard sorts, such as Spruces, Pines, Balsams and Arbor Vit.es. My trade list costs you nothing but a postal card.

D. HILL, Evergreen Specialist, - Dundee, III.

#### Pittsburg.

The florists' business continues fairly good, with nothing of any novelty or extra event to report in the line of decorative efforts. Owing to a very sad disaster, in the shape of a large fire entailing a loss of twenty lives and nearly \$2,000,000 loss, the florists generally were kept busy for a couple of days furnishing floral funeral designs, many of those killed being prominent in police and secret order societies. Strange to say none of the firemen were killed, although several were severely injured.

The Pittsburg and Allegheny Florists' and Gardeners Club held a meeting on the night of the 10th inst. It is very probable that the club will change both their meeting nights as well as the place of meeting. As soon as this is settled the new committee on entertaining projects

will get down to work.

Mr. M. Rice, of Philadelphia, was a visitor this week.

REGIA.

#### Rochester, N. Y.

The market is now fairly well supplied with flowers of all sorts, excepting A1 roses. The demand for the past week has been really good, and everything available was used up to good advan-

tage.
Some very elaborate dinner decorations were called for on several occasions since last report, and several more of equal importance are booked for the end of this and the beginning of next week. Orders for funeral work were unusually heavy, and on Valentine's day fancy boxes filled with select flowers were in good demand, more so than on former occasions.

Our florists are very much pleased with

the steadily increasing custom of sending floral valentines, and nearly all had made ample preparations to meet the demand, which is mostly for best quality of finest flowers tastily arranged in a fancy box. People do not send bulky flowers, nor great quantities, but are willing to pay a

reasonable price for good varieties. Blooming plants also were disposed of quite freely on that day, azaleas, genistas, cinerarias, cyclamens and a large assortment of bulbous stuff in pans found ready purchasers, causing a very acceptable increase in the volume of business. J. B. K.

# Everybody Wants Them!

THE BEST FOUR IN THEIR RESPECTIVE CLASSES TO DATE:

FLORA HILL. The Best White. MAYOR PINGREE, The Best Yellow. VICTOR. The Best Pink. LILY DEAN, The Best Fancy.

Sure Money=Makers Everyone!

Rooted Cuttings Now Ready.

Also Maud Deau, Jubilee, Mrs. Geo. M. Bradt, Triumph, Mrs. McBurney and other standard varieties. . . . . .

Also all the new varieties being introduced this Spring. Write and tell us your wants and we will give you estimates as low as anyone for first quality stock.

We are in receipt of many letters from customers regarding the quality and selection of our stock of which the two following are a fair sample:

52d and Market Streets,
Philadelphia, Jan. 25th, 1898.
WM. P. Craig, Dear Sir—I am highly pleased with the 2,500 Flora Hill rooted cuttings you sent me yesterday. They were as well rooted as any carnation cuttings I ever handled, and perfectly healthy. Such stock will do you credit no matter where you send it. Yours truly,
JACOB BECKER.

Baltimore, Md., Jan. 24th, 1898, WM P. Craig. Dear Sir—The 1000 Flora Hill cuttings came down in good shape and are very satisfactory. Please book our order for 1000 Mrs. Bradt and 500 Mayor Pingree and ship when ready. We thank you for the personal attention given our order. We must say the stock shows careful selection. Respectfully yours. HALLIDAY BROS.

CATALOGUE READY SOON.

Wm. P. Craig, Market and 61st Sts. Phila., Pa.

# GARNATIONS

LANCASTER, Pa., Feb. 11, 1898.

(COPY)

THE AMERICAN JADOO CO.,

815 Fairmount Ave., Philadelphia, Pa.

I have experimented with JADOO FIBRE in a small way for propagating CARNATIONS and FIND THAT THEY ROOT WITH ORDINARY CARE ONE HUNDRED PER CENT.

NEXT SEASON I SHALL USE IT ALMOST EXCLUSIVELY FOR PROPAGATING MY CARNATIONS.

> Respectfully Yours, (Signed) ALBERT M. HERR.

JADOO FIBRE AND JADOO LIQUID



# Offer" of Carnations

ROOTED CUTTINGS.

All of the following are grown from clean vigorous stock and in Al condition. For full description see our Wholesale Price List.

| Novelties and Varieties of Recent Introduction |         |         |                         |         |         |  |  |
|------------------------------------------------|---------|---------|-------------------------|---------|---------|--|--|
| doz.                                           | 100     | 1000    | doz,                    | 100     | 1000    |  |  |
| Bon Ton\$2.00                                  | \$10,00 | \$75.00 | John Young\$2.00        | \$10.00 | \$75.00 |  |  |
| Empress 2.00                                   | 10,00   | 75,00   | Mrs. Geo. M. Bradt 1.00 | 6,00    | 50,00   |  |  |
| Flora Hill                                     | 5,00    | 40,00   | Mrs. James Dean 2.00    | 10,00   | 75.00   |  |  |
| Gold Nugget 2.00                               | 10.00   | 75,00   | New York 2.00           | 10.00   | 75,00   |  |  |
| Harrison's White                               | 5.00    | 40,00   | White Cloud 2.00        | 10.00   | 75.00   |  |  |
| Jack Frost 2.00                                | 10.00   | 80.00   |                         |         |         |  |  |
|                                                | STAN    | DARD    | VARIETIES               |         |         |  |  |
| doz.                                           |         | 1000    | doz.                    | 100     | 1000    |  |  |
| Anna Webb                                      |         | \$15.00 | Lawrence Thompson35     |         | \$15.00 |  |  |
| Alaska                                         |         | 15.00   | Orange Blossom          |         | 25.00   |  |  |
| Armazindy                                      |         | 25,00   | Portia                  |         | 12.50   |  |  |
| Buttercup                                      |         | 35,00   | Rose Queen              | 2.00    | 15.00   |  |  |
| Daybreak                                       |         | 15,00   | Thos. Cartledge         | 2.00    | 15,00   |  |  |
| Eldorado                                       |         | 25,00   | Tidal Wave              | 2.00    | 15.00   |  |  |
| Helen Keller                                   |         | 25,00   | Wm. Scott               | 1.50    | 12.50   |  |  |
| Lizzie McGowan                                 |         | 12.50   | W. D. Sloane            | 2.00    | 15.00   |  |  |

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia. Pa.

# Do Not Buy Carnation Cuttings At a less price than it costs to grow them and expect good stock. Our prices are as low as good stock can be sold for.

At a less price than it costs to grow them as low as good stock can be sold for.

| White Cloud  | \$ 2 00<br>10 00<br>75 00 | per        | 100. |
|--------------|---------------------------|------------|------|
| Painted Lady | \$ 2.00                   | per<br>per | 1000 |

| C. A. Dana | \$ 5.00<br>40,00 | per | 1000 |
|------------|------------------|-----|------|
| Nivea      | \$ 3.00          | per | 100  |
|            | 25.00            | per | 1000 |

| Alaska  | \$ 1.50 | per        | 100         |
|---------|---------|------------|-------------|
|         | 12.00   | per        | 1000        |
| Triumph |         | per<br>per | 100<br>1000 |

# H. F. LITTLEFIELD, Worcester, Mass.

# **FVFIIN**

Send your name and address and receive illus-trated and descriptive price list of Livelina...

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. & Surpasses Wm. Scott.

R. WITTERSTAETTER, Sedamsville, O.

## 50,000 Flat-Grown CARNATIONS

| STRONC               | STOCK.     | per 100 | per 1000       |
|----------------------|------------|---------|----------------|
| Eraytirenk           |            | \$2 (4) | <b>\$15.00</b> |
| Scritt               |            | 210     | 15 00          |
| Rose Otteen          |            | 210     | 15 00          |
| Tida, Wave.          |            | . 1.0   | 32.00          |
| Portla               |            | 1.50    | 12 (4)         |
| Rob Roy (new)        |            | 111 (#) |                |
| Jubilee              |            | (18)    |                |
| Hipote Uspenia       |            | 115101  |                |
| Hilver - pray        |            | . 1.43  | 12,00          |
| L. McLinwan          |            | 1.41    | 12,00          |
| Eldorado Meteor      |            | 2.141   |                |
| Flora III            |            | 5.00    |                |
| Triumph Armazinds    |            | 11 U.J  |                |
| Parto new and I note | Sam bew, h | oth     |                |
| remeties             |            | {U-00   |                |

Cash with order HENRY A NIEMEYER, Erie, Pa.

# NATHAN SMITH & SON

Wholesale Florists

Specialties work ADRIAN, MICH.

> CHRYSANTEMUMS CAPNATIONS 4344 AND VIOLETS. 4.4

. . . CORRESPONDENCE SOLICITEO . .

Premium-5 Red Wave with every 100

IS a much more substantial dower than Daybreak; color a shade or two darker and en-tirely rust proof. Can be seen at Vaughan, McKeller & Winter-son's every Wednesday and Saturday.

HOPP & LEMKE. Paul P. O., E. GRAND RAPIDS, MICH.

# FIREF

A RUST PROOF CARNATION FOR BUSINESS.

Bright searlet and POSITIVELY RUST PROOF. As productive as Scott. Rooted Cuttings Feb. 15th, \$10 per 100, \$75 per 1000. Send for descriptive list of Firefly and fifteen other movelties of '98, fifteen varieties of '97 and older standard sorts.

GEO. HANCOCK & SON. GRAND MAVEN, MICH.

will be naid for any RUST found in our Carnations.
All Pure and Healthy. Throw out that old RUSTY
Stock, begin anew with clean stock.

RAVE NICE ROOTED CUTTINGS, A NO. 1.

\$1.50 per 100

McDONALD & STEELE, 109 S. Washington St., Crawfordsville, Ind.

#### Nashville, Tenn.

Flowers of all kinds, which for a while were searce as the proverbial hen's teeth. have begun to come in more abundantly

and in excellent quality.

Valentine's day found all florists with a good supply, and what was of more importance, an excellent demand. Violets, of course, were the favorite, and some few violet hearts were sent as tokens to fair lady loves, but the great majority of sales were for loose violets or loosely tied in bunches. Violets have been very fine, especially the California variety.

At a recent funeral of a young girl in this city, the words "Please omit flowers," was inserted at the end of the funeral notice, but while friends were barred from sending these dainty tokens of their sympathy, the relatives, whose name was legion, were permitted to lay their offerings upon the altar. The prevailing and preferred flower was the violet, and these, double and single, small and large, light and dark, were made into beautiful wreathes and garlands, completely covering the easket of the dead girl. A pretty conceit, but rather sombre for the early dead.

In a few short weeks, or from present indications, days, all the spring flowers will be in bloom, or at least the jonquils and golden-eandlesticks will be showing their yellow blossoms. It takes away all the sentiment, in this section, to call these early harbingers of early spring by the prosaic name of "Trumpet majors."

M. Č. Dorris.

#### New Castle, Ind.

1 paid E. G. Hill & Co. a visit this week, especially to see the much talked of Painted Lady and other fine seedlings which he is growing. In Painted Lady he has one of the finest, that he has yet sent In color, it is of a bright and very out. pleasing shade of pink, with outer petals slightly lighter. The calvx and stem are strong and perfect, the flowers of fine size, and the plants perfectly healthy and free from rust. The profusion of bloom is another good quality which adds much to its value as a commercial flower. Psyche is much on the order of Helen Kellar. Probably not so heavily penciled. America is a very magnificent red not yet disseminated, but will ereate quite a sensation when it is, on account of the immense size of the flowers. It is slightly lighter in color than Jubilee, and is also said to be rust proof. Flora Hill is here seen in all her glory. It is indeed hard to beat. Herbert Heller.

## 50,000 ROOTED GUTTINGS

Rose Queen, \$1,25 per 100, or \$1000 per 1000; Jubilee, \$2.50 per 100, or \$2.00 per 1000; H. Keller, W. Schtt. Thos. Cartledge, \$1.00 per 1000; H. Keller, W. Schtt. Thos. Cartledge, \$1.00 per 1000; H. Keller, W. Schtt. Thos. Cartledge, \$1.00 per 100, or \$5.50 per 1000; Hisrison's White, Eidorado, \$2.00 per 100 or \$15.00 per 1000; Lizzle Multe, Eidorado, \$2.00 per 100 or \$15.00 per 1000; Two-lnch pots

Major Bonnaffon, \$3.00 per 100 or \$20.00 per 1000; The Queen, Pink Ivory, \$3.00 per 100 or \$15.00 per 1000; President Sulth, Eda Prass, \$2.00 per 100, or \$15.00 per 1000.

Marle Louise \$6.00 per 100, or \$15.00 per 1000.

Marle Louise \$6.00 per 100, or \$15.00 per 1000, reference.

PAXTON GREENHOUSES, C. E. Taube, Prop. Herrisburg, Pa.

# Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS. Oakland, Md.

## 

# NEW GARNATION

# "Mrs.S.A.Northway"

A soft shell pink, developing to nearly pure white.

#### OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation....

PRICE: PER 100. \$10.00.



# Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2<sup>1</sup>4-inch pots, \$5.00 per 100\*\*\*\*\*
ROOTED CUTTINGS, \$3.00 per 100: \$25.00 per 1000. Net cash.

## GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 21/4-in. pots, named. \$25 per 1000; unnamed, \$20 per 1000. Net cash.

# Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100.2222

#### W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist & & & & &

> As originators and introducers of "Silver Spray,"

"Tidal Wave,"

"Daybreak," and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

## "Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower. It is free from rust or disease. It is a profuse bloomer.

It has excedingly strong stiff stems.

It is of exquisite form full and

double. The flower is high built. petals serrated.

The calvx does not burst.

It is delightfully fragrant (a quality lacking in many new

OUR PRICE LIST now ready, contains prices on many other plants.

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## NEW PINK CARNATION

SEEDLING from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most prolife bloomer. It makes in a short time a fine busby plant, and has the form and habit of what carnation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower erect without tying of any sort. Calyx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. Rooted cuttings ready now. All orders filled in rotation. As the sale of the stock of this Carnations will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

Price, \$2 per doz.: \$10 per 100; \$75 per 1000.

C. BESOLD, MINEOLA, Long Island, N. Y.

## SOUTH PARK FLORAL CO., New Castle, Ind. ROOTED CUTTINGS.

We grow prize winners. Try our fine strong 🚜 stock and grow fine flowers.

We are wholesalers of Fine Cutllowers, Roses, Car-nations, Violets.

\$15.00 per 1000.

Notice the report of the meeting of the Indiana florists Jan. 20, and see .\* who got the awards

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

#### Erie. Pa.

Uncle Sam, Rob Roy, Pluto and Snow Queen are the latest seedlings introduced by Mr. Henry A. Niemeyer.

Like its namesake, Uncle Sam is "bold"

and erect, promising to hold its ground against all odds. Pluto, of a pleasing plum color, may not suit the popular fancy at first sight, though a closer aequaintance with the nature of this seedling, and it has many good points, would no doubt win it many admirers. Snow Queen, as its very name implies, is Snow Queen, as its very name implies, is a white one, and if it does as well else-where as it does with Mr. Niemeyer its future is assured. Mr. Niemeyer grows a house full of this variety, and that house is decidedly a paying one. Rob Roy, a red one, is of the "bread and butter" kind. A glance at the two benches fully convinced me that this variety is well worthy of all the space given it. Номо.

# New CARNATIONS.

WHITE CLOUD—White,
GOLD NUGGET—Yellow,
NEW YORK (Ward)—Bright cerise pink,
MRS. JAMES DEAN (Ward)—Clear silvery pink,
JOHN YOUNG (Ward)—White,
BON TON (Ward)—Scarlet,
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Em-press (Swayne), Evelina (Witterstaetter), Fire-fly (Hancock), Pyche (Hill), Panted Lady (Hill), and Mrs. S. A. Northway (Simmons). All good 1897 novelties and other standard varieties

## New Chrysanthemums.

at reasonable prices.

MRS. C. H. PEIRCE—Vellow.

35c each. \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

54c each. \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each. \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. DORNER & SONS CO. LAFAYETTE, IND.

# 

# Experiences ...with... CARNATIONS The next number ready March I, will be cultural as we I as descriptive and sent free to all applicants. I Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Iriumph. ALBERT M. HERR, .... LANCASTER, PA.

NEW CARNATION ....

# Empress

Send for price list of above, New and Standard Sorts....

WM. SWAYNE, Box 226, Kennett Square, Pa.

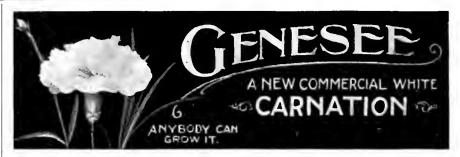
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The habit of growth is attractive. It grows healthy and vigorous.

It transplants very easily.

It excels also in such qualities as:

# Good Size, Good Stem, Good Calyx, Free Blooming, Fine Flowers.

IT IS OFFERED ON A TESTED REPUTATION.

All about it in a handsome, illustrated and priced 12-page circular Free to the Trade.

DAN'L B. LONG, Sales Agent, BUFFALO.

# THE NEW AND COURSE QUEEN

The best dark pink we have seen or grown. Orders booked now. \$10 per hundred.

# Mayor Pingree STOCK STOC

JOHN BREITMEYER & SONS. DETROIT, MICH.

# WANTED Carnation growers to look into the merits of

and be convinced that it is the coming commercial variety of its color. READY MARCH 1st, Price, \$2.00 per dozen; \$10.00 per 100: \$75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

STRONG, HEALTHY ROOTED CUITINGS Ready Feb. 1st and Later

Incording Morello, Flora Hill, Daybreak, Win-Scott Lizze McGowan, Ivory Silver Spray, Emily Purson Goldflinch, Eldorado, and others. Send-me a list of what you want and get prices before you have We also have a fine lot of Carnation and Violet Ideous for sale. Write for prices.

## CHAS. CHADWICK,

GRAND RAPIDS, MICH. Lock Box II.

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DATBREAK TIDAL WAVE M-GOWAR WM-SCOTT 41 25 per 100, \$10 00 per 10 1 to per 100. 10 00 per 1000 1 00 per 100. 9 00 per 1000 sec per 100. 3 50 per 1000

CASH WITH ORDER.

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#### BAKER'S NEW CARNATIONS.

Orown and tested five years.

ONEIDA Pure pink, healthy; no rast; continuous producer; largest size bloom.

RED JACKET—Bright red, time stem and calyx; continuous cropper. \$10.00 per 100.

Orders booked now to be filled in rotation as fast as roted.

C. F. HARBIE. Utlos, N. Y.

CARNATIONS Scott, Metox ROSES Brides, Bridesmaids, Meteors, \$1,50 per 100.

Very best commercial varieties of 'Mums, Write for prices.

W. H. GULLETT & SONS, - Lincoln, III.

Say "saw your ad, in the Florist" when you write advertisers.

#### Worcester, Mass.

We have recovered from the effects of the blizzard and everything is going along smoothly, although the storm was the worst we have had since 1867. Very little damage to greenhouse property resulted. Sargent had a carnation house cave in, and the timely use of considerable propping averted a like catastrophe at Hixon's, but at the other places a few broken lights of glass was the only damage reported.

During the blizzard week trade was at a standstill, but since then we have had good business and plenty of high grade flowers; carnations and violets, especially,

are very fine.

February 14 brought us a nice valentine, in the shape of good business. Violets, carnations, valley and lilac were most in demand; and in plants, cyclamen and azaleas had the call.

A visit to W. J. Wood's houses after the storm found everything serene and looking well. Violets are the specialty at this place, and they are looking very fine, with a large crop of blooms in sight. Marie Louise is the variety grown, also a few Lady Campbell, but the darker variety is the better seller. The carnations were also looking well, Nivea and Daybreak are the leaders, and Scott and Alaska are grown in medium quantity. Scott has developed considerable stemrot and in the opinion of Mr. Wood is running out.

H. Bayersdorfer was in town the other H. Bayersdorier was in town the other day and paid us a visit. Harry has developed into quite a dog fancier and during his stay here picked up a highbred dog that has quite a local reputation; "Reuben" out of "Dutchman" by "Filthy Lucre" and of the breed known as "Sooner." Reuben left town with a collar of Bridesmaids and violets, and collar of Bridesmaids and violets, and will make his home in the City of Broth-A. 11. L. erly Love.

# Verbena King



#### ONE MILLION

to offer the following season in 55 of the latest and best mammoth named varieties in cultivation, free from rust or mildew. Satisfaction and safe arrival maranteed in every way to all parts of the U. S. and Canada (a 60e per 100; \$5.50 per 1000; 5000 for \$25; 10,000

for \$45; 25,000 for \$100. Express prepaid. HELIOTROPES, rooted cuttings, 10 named vars... \$1.00 per 100; \$8.00 per 1000. Express prepaid.

CASH PLEASE.

## C. HUMFELD, - Clay Center, Kan.

| Rooted cuttings.                             | 2-Inch.  |
|----------------------------------------------|----------|
| Per 10tl                                     | Per 100  |
| Roses, Bride and Bridesmaid\$                | \$3.00   |
| Verbenss, 12 variettes                       |          |
| Vinca. (Major)                               | 3.00     |
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| Calla Lilles                                 | 2,00     |
| Parla Daistes, white                         | 3 00     |
| Hellotrope, blue                             | 3,00     |
| Begonia Vernon, red                          | 3.00     |
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| Stock ready now. Terms cash or approved refe | erences. |

INDIANAPOLIS FLOWER AND PLANT CO., Central Ave. and 34th St., Indianapolis, Ind.

# 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

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Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

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The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass. Strong rooted cuttings, 60c per hundred; \$5.00 per thousand; five thousand, \$20.00. New Yellow Marguerite finest variety, strong 2-in, pot plants, 3c; rooted cuttings, 2c.

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The New Imperial Violet.

Perfectly bealthy, very dark green follage, makes few runners, dowers royal purple, on long stiff stems, exquisitely fragrant, very prolitic and the most enormous double flowers ever seen on a Violet. A splendid keeper and shipper; not over two doz. sent to any one order. Price \$2.50 per doz. Plants by mail. Address the originator

W. L. MINOR, Brockton, Mass.
Come and see the most superb lot of violets ever grown

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SELECT NEW and good old standard sorts, the best to be found, up-to-date. \* \* \* \* 40 Varieties Geraniums, \* \* 25 Flowering Begonias, and a good assortment of Market Fuchsias. A Let us know what you want and we will quote you prices low enough.

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Fine selected stock in separate colors, Rooted cuttings, per 100, 75c; per 1000, \$6 00. Cash with order.

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CLEMATIS Jackmanni, Henryii doz. 100 and others......\$3.00 \$20.00

DOWNING, best for general crop, special prices.

F. A. BALLER, Bloomington, III.

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12 LEADING KINDS, \$4.00 per 100,

VERBENAS 25 of the best named varieties, Rooted Cutorder. Express prepaid. Cash with

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# FREESIA GROWER!

Mammoth and medium bulbs ready June. Also seed of Freesia, Giant Vellow Marguerite, Smilax, Mandevilla, Dablia, Agapanthus, and Bermuda Buttercup Oxalis bulbs.

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# **BOUGAINVILLEAS.**

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts." THEO. F. BECKERT, Glenfield, Pa.

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Cold Fields at your door. - CERANIUMS.

Cold Fields at your door.—CERANIUMS.

Grown in soil in flata, ready to shift into 3-inch pots, \$15.00 per 1000. S. A. Nutt. Beaute Poitevine, Mrs. E. G. Hill, Van Daei and Rubt. Brett; the same in 2½-inch pots, \$20.00 per 1000.

Standard sorts, such as double Grant. Bruanti, La Fayette, La Favorite, Le Pilot. Gloire de France, Hoff Beech, Wonder, Mrs. J. M. Gaar, Jules Ferry Centaurean and others, \$2.00 per 1000. In 2½-inch pots, \$2.50 per 1000. Mountain of Show. In 2½-inch pots, \$2.50 per 1000 Mms. Sallerol from flats, \$1.25 per 100 \$10.00 per 1000.

Agerstum blue and white, from flats, \$1.50 per 1000, \$12.00 per 1000. Feverfew Little Gem, from flats \$1.50 per 1000, \$12.00 per 1000. Feverfew Little Gem, from flats \$1.50 per 1000 slot (and the second short of the second short

J. E. FELTHOUSEN, Schenectady, N. Y.

AZALEA INDICA We have an immense stock of all the best varieties, extremely full budded, of the following large size: 12 to 15-inch, \$6.00 per dozen: \$45.00 per 100. CINERARIAS, 5-inch, bud and bloom, \$1.25 per dozen. Double Golden Marguerite Cultings, by mail, \$1.50 per 100.

WHITTON & SONS, Wholesale Florists, City and Green Sts., UTICA, N. Y.

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Advertise and sell some rooted cuttings or other surplus stock.

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#### GOLEUS.... **ROOTED CUTTINGS WELL ROOTED**

Scarlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alhambra, Golden Crown, Midnight, Salvator, John Goude Nigger, 15c per doz.; 75c per 100; \$5.00 per 1000; express paid.

S. T. DANLEY, Macomb, III.

#### 5,000 SMILAX...

From thats, by mall, 50c per 100, \$4 00 per 1000 From 2-inch pots, \$1 50 per 100, \$13 00 per 100 From 3-inch pots. \$3 00 per 100 Send for samples. Cash with the order.

FREO BOERNER. Cane May City, N. J.

ALWAYS mention the AMERICAN FLO-RIST when writing to advertisers.

#### Cincinnati.

The regular monthly meeting of the Cincinnati Florist Society was held February 12 and called to order by President Witterstactter. The meeting was well attended, and the monthly exhibit brought out a goodly number of visitors, although the attendance at the latter was not as large as on former occasions.

The collection of plants from the city greenhouses were much admired, especially the specimen plants of cyclamen, which were exceedingly well done. Notable at the Sunderbruch collection, were several vases of calla and Harrisii lilies, also some large specimen plants of Kentia and Areas, their Bridesmaids and Meteor roses were the Creme de la Creme. Messrs. George and Allen made a creditable display of roses and bulbous flowers. Their Valley are surely grand, and several vases of roses deserve special mention. Messrs, Corbett and Wilson took the lead in violets. A vase of the new carnation Empress from Mr. Wm. Swayne, Kennett Square, is a very large and well formed flower, held in a strong calvx, stem eighteen to twenty-four inches, and foliage showing no signs of disease, color a dark crimson. John Young (C. W. Ward), pure white, flower large and full with very heavy petals; the flowers arrived rather poorly. James Dean, (C. W. Ward, Queens, L. l.), deeper than Daybreak in color and a decided improve-ment over Daybreak, with stiffer stem and larger flower. Mr. Will Murphy made the best general display of standard earnations; Mrs. Geo. M. Bradt being especially fine. A vase of the new rose, Mrs. Robert Garrett, from 11. Weber & Son caught the eyes of every visitor.

The sole topic of the evening was the

earnation convention at Chicago, and by the time these lines appear, we will know who carried off the plum. It will be a most memorable event to those interested, and no doubt some will go home satisfied, feeling that all went well, while

others must be disappointed.

H. SCHWARZ.



W WILMORE, Box 382, OENVER, COLO.

line collection of varieties including Wm. Agnew Aymphaea, John Bragg, Ohan, Julu, Beauty of Brentwood, etc. etc. Our selection, twenty varieties to a thousand, \$50,00. Furcharer's selection, twenty sametres to a thousant 100 00,

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MORRISVILLE.

# Chrysanthemum

The SENSATION Of the Season & Frank Hardy

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited.

The best mid-senson white to date and indispensable to every grower whether for exhibition of the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c; per dozen. \$3; per 100, \$20; per 1000, \$150.

25 at 100 rate. 250 at 1000 rate.

A. HERRINGTON.

Florham Farms,

MADISON, NEW JERSEY.



## Two Great Sports CHRYSANTHEMUM **CARNATION** PENNSYLVANIA

Undoubtedly the best Pink Carnation in commerce and certainly the most prolitic bloomer, perfectly healthy and of vigorous growth. Rooted cuttingt now ready. \$4.00 per 100; \$15.00 per 1000. Come and see this estimation growing.

The finest yellow for cut blooms or exhibition pur poses ever produced. Plants ready March 15, \$5.00 per doz.; \$35.00 per 100; \$250 00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

# PEACOCK'S PRIZE WINNING DAHL

at Philadelphia out of seventeen entries? And at the American Institute, Madison Square Garden, New York, the seven first prizes (all that were offered) and two special diplomas for Clifford W. Bruton and Wm. Agnew? That last vear (1897) at New York, they were awarded six of the seven first prizes and The Medal of Superiority of the American Institute, the highest award ever given Dahlias in America? That at Philadelphia—well, we won't say anything, as they were not in competition; but, read what the Philadelphia Record of Sept. 22, 1807, says:

Prominent above all the other exhibits is that of the Dahlia Society itself. It includes an almost perfect assortment of all the Dahlias known in this country, grown by W. P. Peacock, of Atco. N. J., but it was not in competition for prizes

New Illustrated Descriptive Wholesale Catalogue now ready; send for it before placing order elsewhere.

W. P. PEACOCK, ATCO. N. J.

"IBOSS" Chrysanthemums WM. H. CHADWICK - the grandest white novelty of the season. THE YELLOW FELLOW Winner of \$100 Stearns bleyele prize. MADELINE PRATT - "As pretty as her picture."

Grove P. Rawson, Elmira, N. Y.

# Jardinieres, Pots Pedestals



ADAPTED TO Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

#### Buffalo.

The market seems to be well stocked with flowers and business is quieter than last week, if that is possible. Carnations are plenty and good, the top price being for the new white "Genesee." This earnation is attracting so much attention that I went out to Corfu to see it growing. Scott has a house of it looking A1. It makes a very fine appearance on the bench, being very vigorous and even in growth, with abundant blooms about two and a half inches in diameter, and an average stem of about eighteen inches. It seems to be a continuous bearer, clean and free from disease, and has the ear marks of a "bread and butter" carnation. It is said to be the result of a cross between Daybreak and McGowan, and it resembles the latter somewhat in its manner of opening. Mr. Scott tells me that it is even better with the originators, Harmon & Burr, of Darien, N. Y., than with him.

Scott's house of his namesake is very fine also, and the Daybreaks were in good form. Mr. Scott grows considerable Jubilee and likes it. Portia he has no use for, but is highly pleased with "Dazzle," which is larger and even brighter. Those violets, about which I once made rather disparaging remarks, are looking pretty fair on a close inspection, and are yielding well. A house of Laetuca seariola, garden variety, promises an abundance of bloom if it is allowed to mature.

After having inspected everything on the place, from the windmill to the natural gas, we entered the chariot and drove to Mr. Webb's. Here we found about all the glass given up to carnations, only one house of roses to be seen. Alaska is grown extensively for a white, and is good but rather too short in the stem. The most interesting thing on the place at the present time is a house of a new red seedling—Hector x Spray. It is quite promis-ing. It is a better color than Jubilee, but perhaps not quite as large. Good stem and calyx and apparently a free bloomer. will be heard from next year. All the old stand-bys are grown here and are looking well.

Mr. William McMillan has just returned from an extended tour through the country to the west of us, having visited Cleveland, Detroit, Chicago, Minneapolis, St. Paul and Louisville.

The latest arrival in town is a son to Mr. Bloy, of Forest Lawn.

# Aster, Verbena & Pansy Seed

Truffant's perony-flowered Perfection, mixed, ¼ oz. 30 cts. 1 oz. \$1 00.

Truffant's perony-flowered Perfection, mixed, in separate colors, pure white, light blue, rose and white, and bright red, ½ oz. 30 cts., 1 oz. \$1.50, or 1 oz. of each of the 4 colors for \$5 00.

Princess or Snowball (Aster), pure white, ¼ oz. 73 cts. 1 oz. \$2.50.

Manimoth Verbena, 100 colors mixed, ¼ oz. 31 cts. 1 oz. \$1.50.

Mitting's Pansy, large flowering, choice, <sup>1</sup>4 oz. \$1.00. 1 oz. \$4.00.

#### PLANTS.

Alternanthera airea namand P. major, 2<sup>1</sup>4 lm., strong \$2.00 per 100 \$15.00 per \$1000.

800 Robin Hood Carnation Cuttings to spare, strong and healthy, large scarlet, \$3.00 per 100.

500 Mrs. Chas. Dubme @ \$4.00 per 100.

2000 C. A. Dana @ \$4.00 per 100.

2000 Wm. Scott @ \$1.00 per 100.

5000 Clous. 20 choice bedders. 2<sup>1</sup>4 lm., \$1.50 per 100.

Lycopodium Denticulatum, 2<sup>1</sup>4 lm., \$2.00 per 100.

Our Crowers' Trade List now ready.

# THE MORRIS FLORAL GO. Morris, III.



Mention American Fiorist.

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IN QUALITY AND CONDITION PAR EXCELLENCE.

Large Direct Importation Just Arrived.

| AURATUM        | 100           | 1000            | RUBRUM        | 100    | 1000            | ALBUM          | 100            | 1000    |
|----------------|---------------|-----------------|---------------|--------|-----------------|----------------|----------------|---------|
| 8 to 9 inches. | <b>8</b> 3.75 | <b>\$</b> 35.00 | 8 to 9 inches | .84 75 | <b>\$4</b> 0.00 | 8 to 9 inches. | <b>\$</b> 6 50 | \$55.00 |
| 9 to 11 "      | 5.00          | 45.00           | 9 to 11 ''    | 6.25   |                 |                | 7.50           | 65.00   |
| 11 to 13 "     | 8.00          | 75.00           | 11 to 13 " .  | 9.00   | 85.00           | 11 to 13 "     | 10.00          | 95.00   |

W. W. BARNARD & CO., Seedsmen.

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# FLOWER SEEDS FOR PRESENT SOWING See our "BOOK FOR FLORISTS." Write for copy if not received. " VAUGHAN'S SEED STORE 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICACO.



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FOR THE CHOICEST AND BEST NEW CROP

# FLOWER SEEDS

Neponset Paper Flower Pots, Pure Sheep Manure, and All Florists' Supplies. 444

Catalogues mailed free

#### EXTRA CHOICE FLOWER SEEDS.

List free on application. FRED. ROEMER, Seed Crower, ... Quedlinburg, Germany.

#### Cleveland Florists' Club.

RESOLUTION CONCERNING GOVERNMENT DISTRIBUTION OF PLANTS.

The following was adopted at a meeting of the above club held January 24,

WHEREAS. The practice of distributing plants and cut flowers, grown at the publie expense, has become so general as to amount to an abuse of the public money, paid in part by the florists of the country at large, thereby giving them a direct and personal interest in such abuse of the

functions of government, and
WHEREAS. The said distribution works
a direct and serious injury to the florists and gardeners of the city of Washington, 1) C., by bringing the servants of the government, maintained at the public expense, into direct competition with the said florists of Washington, to the detriment of their business, be it hereby

Resolved, By the members of the Cleve-land Florists' Club that the members of the eraft in Washington are entitled to the earnest sympathy and support of florists throughout the country, in their fight to overcome this abuse, and that the said Cleveland Florists' Club hereby protests against the misuse of public funds and facilities for the production of plants and flowers for gratuitons distri-bution in competition with legitimate trades of any description, and the secretary is hereby directed and authorized to forward copies of these resolutions to the congressmen of this district, and to the senators from Ohio, and also the trade papers and to the Commercial Florists' Association of Washington, D. C.

#### Freesia Bulbs for 1898.

I have cudeavored to secure reliable data about the crop of freesia bulbs in Southern California, and can say that there are more freesias planted in this vicinity than ever before: In some places the frost has been so severe as to injure the foliage seriously, while others have escaped entirely. One grower expected to have 2,000,000 marketable bulbs. The trust killed all the growth above ground To-day I have seen another large lot coming into bloom nicely, and no trace of trost in the vicinity. Pad it not been for the cold, freesia bulbs would have been a drug in the market before the season was over. The outlook at present is, it warm weather follows the present rain, there will be more than enough to till all orders, and prices will be lower than last season. Reliable growers will not quote prices now, and guarantee to fill orders, preferring to wait a few weeks and section growth progresses

D. R. Woons, Los Argeles, Cal.

# NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea rich soft pink, buds very long, flower ertra large de gittus y fragrant, rivaling Hridenmail color but arger and much more produc-tive. A sturity vag rous grower, a money maker and a trough of American skill. The best from ofther earty are investing in it. It has seen a decrease process and has excited the most favorable extremely and the excited the most favorable extremely and the extremely are an extremely besched now de very Marco - Deter Corren-poste de very tello Alfreis

H. WEBER & SONS, Oakland, Md.

# Rooted Cuttings...

Am. Beauties, Brides, Maids, V Am. Beauties, Brides, Maids, V. Kaiserin, Perles, Belle Siebrecht, Meteors. Same in 2-in. pots ready Feb. 15th to 20th. Send 50c for samples and get prices.

GEO. A. KUHL, Pekin, III. Carnation Cuttings ready Feb. 1st.

MAIDS, BRIDES, METEORS, KAISERIN, HOSTE, MOK-GAN, CARNOT, Grafted on Manetti and

ONLY TO ORDER.

Prices: (\$15 00 per 100. No orders accepted after this month.

H. F. LITTLEFIELD, Worcester, Mass. Mention American Florist.

New American Rose \_\_\_\_

## MRS. ROBERT GARRETT

As one of the syndicate holding stock in this rose we offer first class plants, from 2%-inch pots, to be delivered on and after March 15, 188, at the agreed price of \$3.50 per 100, \$225.00 per 1000.

AMERICAN ROSE CO.

#### YOUNG ROSES 300,000 300,000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb, Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers.

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| No scrub wood used. All stock the           |                              |                         |                                             | From 21/2                           |                  |
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| arefully packed when sent out.              | •                            |                         | 1000                                        | Per 100                             | Per 1000         |
| AMERICAN BEAUTIE                            |                              |                         | 2.00                                        |                                     | <b>\$35.00</b>   |
| BRIDES<br>BRIDESMAID                        |                              | 1.50 1:<br>1.50 1:      | 2.50<br>2.50                                |                                     | 20.00<br>20.00   |
| METEOR                                      |                              | 1.50 1:                 | 2,50                                        | 9.95                                | 20.00            |
| KAISERIN                                    |                              | 1.50                    | 2.50                                        | 0.05                                | 20,00            |
| PERLE                                       |                              |                         | 2.50                                        | 2.25                                | 20.00            |
| Terms cash with order of                    | r goods sent C. O. D.        |                         |                                             |                                     | March L          |
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| Carnat                                      | tions, Chi                   | rysan<br>an             | R<br>them<br>d Car                          | oses,<br>ums,<br>inas.              |                  |
| Carnat  All the best new                    | tions, Chi                   | rysan<br>an             | R<br>them<br>d Cai                          | oses,<br>ums,<br>inas.              | k now            |
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JOHN N. MAY, Summit, New Jersey.  $\mathbb{V}_{r}$  de excepcio de compara de compara de compara de compara de compara  $\mathbb{V}^{\mathbb{N}}$ 

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500,000 FEET OF GLASS. We can fill all orders on short notice with all leading varieties of Roses and Cernations. We ARE Headquarters for Fine AMERICAN BEAUTIES. Give us a trial and convince yourself......

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| CARNATIO                                                                          | NS.                                              |
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|              | Per 100   | Per 1000       |
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| Meteor       | \$3 00    | <b>\$25.00</b> |
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| Bride        | 2.50      | 22.50          |
| Bridesmaid   | 2 50      | 22,50          |
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| Ready for si | nioment N | larch ist.     |

# Reinberg Bros.

51 Wabash Avenue,

CHICAGO.

When writing mention the American Floriat.

#### Cleveland.

Flowers are now coming in a little more plentifully. The quality also shows an improvement in most instances. Business has been very fair on the whole, although we have, within the last day or two, seen the first of the "fire sales" that usually are delayed until near the advent of lovely spring. There has not been until now sufficient difference between supply and demand to encourage many ventures in that line.

The weather has again moderated from the stiff temperature of a week or two ago, and is reasonably mild.

Harrisiis seem still to be in rather short supply, at least from local sources. At this writing it is impossible to find out just who and how many will go to the carnation exhibition at Chicago. There will probably be half a dozen or so, may be more if all who have made threats in

that direction carry out their intentions. E. J. Paddock, W. H. Beaumont and Chas. Erhardt must abandon their present quarters on Eriestreet to help make room for a ten-story business block, the erection of which will begin about April 1.

#### Fern Notes.

Doryopteris Duvali appears to be a very distinct and useful variety. In habit it somewhat resembles D. nobilis, but is it somewhat resembles D. nobilis, but is devoid of the pale silvery grey variegation, the fronds being of a uniform deep green, with a bright surface. It seems likely to prove much less difficult to manage than nobilis. I find plants may be divided and do not suffer, that is if they are carefully handled, and it is altogether a most vigorous grower. I am not yet able to say if it will come true from spores, but if it does no doubt it will soon be among our most popular. it will soon be among our most popular market ferns.

There are few more strikingly distinct ferns than D. nobilis, and this may be raised from spores, though I have never seen any large batches. A friend of mine showed me a fair batch of seedlings a year or so ago, but although they had every attention most of them perished

during the winter.

D. Indens is a distinct and desirable species, the broad deep green fronds of young free growing seedlings show up so well among other ferns. After the plants get older and begin to throw up prants get older and begin to throw up fertile fronds, which are divided almost as much as in D. palmata, and have long stipes, the broad basal fronds begin to go off, and it is difficult to keep plants in good condition, but as spores germinate freely young plants may always be had to succeed those that have become shabby.

D. palmata is more generally grown for market, and makes a useful plant; it well repays for good treatment. It is one of those ferns which, if kept in good health, will give little trouble, but if once it gets stunted or sickly the stock may as well be thrown away, for they never seem to

make a good start again.

D. pedata, somewhat after the same habit, but of smaller growth, is worthy of culture where a collection is grown.

D. sagittifolia and D. hastata are aiso worthy of note, but the last named varies very much when raised from spores

All those referred to above succeed best when grown in a moderate stove temperature; they like more shade than we give most ferns, and a light compost. Although I do not find it necessary to use peat for most ferns of the Pteris section, I find all the above do better in a compost consisting of about one-third peat, though where really good leaf mold can

be had peat may be dispensed with, good fibrous loam and sand with a little well rotted manure will make up the remainder of the compost. Over potting should be avoided, but when the pots are filled with roots manure will prove beneficial. close moist atmosphere is desirable, but the fronds should not be wetted overhead, and during the winter, if cold water drips from the roof, it will discolor the fronds; this causes much mischief among many ferns, particularly lomarias.

I may here mention that we seem likely to get Lomaria ciliata major true from spores, having raised a number of seedlings which already begin to show character, but it is too early to determine positively what they may develop into.

L. ciliata grandis, another fine variety raised at the same time as major has not

proved so productive, though among seedlings raised we may yet find some of the true variety. I am not sure if I have referred to these lomarias before. I may say that grandis received a first-class certificate and major an award of merit from the Royal Horticultural Society, and were raised by Mr. H. B. May. If we can only get seedlings to come as good as the parent plants they will be welcome additions to our market ferns.

A. Hemsley.

BUCKSPORT, ME.-Everything is buried deep under the snow, the average depth of which is three feet. The storm of last week was the heaviest for a quarter of a century and only the most vigorous measures saved the greenhouses from rnin.



**NEW SWEET PEA** ...The

> Originated by M. Lynch, Mento Park, Calif.

THE BRIDE This beautiful large, white-seeded variety is the best White Sweet Pea to date. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white-seeded varieties—so often poor growers. Grown for the ent-flower market of San Francisco in competition with the other high class whites, it has brought the highest figures over them all, taking first rank among all the whites. The flowers are pure white of fine substance, large and of true grandifloratype. Beside this every seed will grow. Perfect flowers were cut as early as April 16 last year. Price, per lb., \$2.00; 1-4 lb., 60c; 02., 20c; pkt., 10c.

20c; pkl., 10c.

The Cornell Bulletin in naming the best Sweet Peas of each color, classes The Bride tirst as a white, with Emily Henderson second and Blanche Burpee third.

Frank Pelicano, a leading florist of San Francisco, stated: "We can sell more Bride Sweet Pea blooms than those of any other variety which we have ever handled."

Prof. Tracy, in a recent review of some of the newer Sweet Peas says: "The especial merit of this variety (The Bride) is in its length, strength and grace of flower stem, and the disposition of the booms thereon, being one of our best sorts in these respects, and forming an exceedingly graceful bunch."

Mr. Lynch has sent us his entire stock which we offer to the trade as above.

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CORAL

One of the most effective Begonias of the Semperflorens type; excel-lent for bedding; the flowers are of a rich red, and the foliage crimson brouze. \$1 00 per trade pkt.......50c per half trade pkt

**GEM DUCHESS OF** 

**EDINBURG** 

MIXED

An exceedingly beautiful and profuse blooming Begonia. The plant is robust and has proved to be almost a continuous bloomer. Flowers white, suffused with pink, and twice the size of the ordinary B. Semperflorens. \$1.00 per trade pkt.; 50e per half trade pkt

\$1.00 per trade pkt.......50e per half trade pkt

This is American saved seed, and the germinating tests are most satisfactory. It comes up quickly and the little plants grow with great rapidity. Seed sown now will make line plants for Spring sales. Order at once, and a leaflet "How to Grow Begonia Semperflorens from Seed" will be sent with each order.

Cash with the Order. Money Order P. O. Station H.

A. H. LONSDALE & CO..

PHILADELPHIA, PA. Specialists,

#### Catalogues Received.

W. W. Rawson & Co., Boston, Mass., seeds; Vaughan's Seed Store, Chicago, Ill., seeds; D. Landreth & Sons, Philadelphia, Pa., seeds; B. O. Curtis, Paris, Ill., trees, shrubs and fruits; W. W. Barnard & Co., Chicago, Ill., seeds; Buell Lamberson, Portland, Oranged, The Lamberson, Oranged, The Lamberson, Oranged, Oranged, The Lamberson, Oranged, Ora & Co., Chicago, III., seeds; Buell Lamberson, Portland, Orc., seeds; Theodosia B. Shepherd, Ventura-by-the-Sea, Cal., seeds; John N. May, Summit, N. J., plants; L. L. May & Co., St. Paul, Minn., seeds; A. W. Livingston's Sons, Columbus, O., seeds; W. Atlee Burpee & Co., Philadelphia, Pa, seeds; Phenix Nursery Co., Bloomington, Ill., trees, shrubs and plants; Isaae C. seeus; rinemix Nursery Co., Bloomington, Ill., trees, shrubs and plants; Isaae C. Rogers, Danville, X. Y., fruits; Schisler-Corneli Seed Co., St. Louis, Mo., seeds; W. X. Scarff, New Carlisle, O., fruits; Carpenter & Son, State Line, Miss., trees, shrubs and fruits; Japanese Vincent, Dec. shrubs and fruits; Japanese Nursery, Boston, Mass., trees, plants and bulbs; Wm. E. Hand, Jr., Argos, Ind., fruits; E. Gill, Onkland, Cal., trees, shrubs and fruits; E. E. Burwell, New Haven, Conn., seeds; S. T. Walker. Forest Grove. Ore, seeds; S. T. Walker. Forest Grove. Ore, seeds; J. E. Jackson, Gainesville, Ga. plants; E. J. Hull, Olyphant, Pa., fruits; J. L. Schiller, New York, seeds: J. C. Suffern, Voorhies, Ill., seeds; R. Witterstaetter, Sedansville, O., plants; Theo. Bock, Hamilton, O., plants; J. R. Johnson, Dallas, Texas; fruits. A. B. Davis & Son, Purcellville, Va., roots; D. M. Andrews, Boulder, Col., parks, Vilnogia Andriews, & Co. Paris va., roots; D. M. Andrews, Boulder, Col., seeds; Vilmorin-Andrieux & Co., Paris, France, seeds; Chicago House Wreeking Co., Chicago, Ill., building materials; Page Woven Wire Fence Co., Adrian Mich., wire fences; A Branson, New Shanghang, Guilley Medical, Machanian ron, Iowa, fruits; Mark II. Wetherbee, Charles City, Iowa, plants and seeds; Chesnore-Eastlake Mercantile Co., St. Joseph, Mo., seeds; J. Whittier, Beverley, Mass., plants.-106.

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It is used by the leading Elirists and is giving satisfaction. Iry it and be convinced. For price Address.

J. G. & A. ESLER, Saddle River, N. J.

Hot=Bed

Tenons white-leaded. Corners seeured with iron dowel pins, Every detail of construction perfect. Made of Clear Cypress Lumber.

#### Quick Shipments.

We have in stock and can ship immediately:

ft. x 6 ft., 3 rows 10 in. glass. 3 ft.3 in. x 6 ft.,4 " 4 ft. x 6 ft.,5 " S in. S in.

Not glazed, 134 in. thick.

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Quoted on application. State size and quantity wanted. No order too small to receive eareful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

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**Boilers** 

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For GREENHOUSES.

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Bollers made of the best of material, shell, Brebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

Mention American Florist.

YOU CAN SAVE MONEY BY HAVING ME

# BUILD AND HEAT YOUR GREENHOUSES

HENRY W. GIBBONS 134-136-138 LIBERTY STREET,

EXPERT ADVICE AND PLANS FURNISHED.

ESTIMATES FREE.

Established 1859.

# Thos. W. Weathered's Son

Greenhouse Wood-work. Greenhouse Iron-work.

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Red Galf Cypress free from Sap.

Get my prices on everything needful for the erection er repairing of Green houses.

ND send four cents in stamps for my latest catalogue, circulars, etc., showing the best and most economical

OILERS for heating, from the smallest self-feeding for small conservatories, stores, etc., to the largest sectional for large commercial establishments or Public Parks.

► YPRESS greenhouse material free from sap, of all sizes, shapes, etc., as desired, from the smallest sash-bar to the largest sill-plate. Clipper sash-bars as well, kept in stock ready for shipment.

OORS of the best clear Cypress made especially for greenhouse purposes always in stock.

AVE Plates of Cypress, the very best; all shapes, as well as Sills, Ventilating Sash, Ridge, Ridge Cap, Gutters, Purlins, Headers, etc.

trtings of every kind, from the smallest for Purlins, to the largest for a heavy 4-inch Greenhouse Pipe, also Valves, Expansion Tanks, etc., always ready for shipment.

UTTERS of cast iron or of clear Cypress, for outside "Ridge and furrow" houses, or any and all kinds. Glazing Points of all kinds from the patent to the zinc nails.

EATING. After forty years' experience, devoting it all to the heating of greenhouses, from a small conservatory to the largest, such as the Schenley Park Greenhouses at Pittsburgh, Pa; Central Park, New York City; Druid Hill, Balti-more, Md; Prospect Park,

Brooklyn, N.Y., as well as supplying complete heating plants in England and Japan, that you can have sufficient confidence to expend two cents in a stamp and time writing me your wants in that line.

Thos. W. Weathered's Son 141 Centre St.

#### Youngstown, O.

"Roses" was the subject of a very entertaining chat with Mr. Hippard during my recent visit. It is his unqualified opinion that any man can grow roses, if "How?" I asked naively.
"Yes," replied mine host, "in the 'how'

lies the whole secret of the successful rose grower," and assuming his inimitable smile he continued, "healthy young stock planted in the right soil at the start, with an even temperature, proper ventilation, and above all constant care and attention will insure dollars and cents in the end."

A stroll through the houses sufficed to

convince the scribe that the Meteors, Brides, Bridesmaids and Perles were dollars in disguise, every one of them, and of the kind that would pass in all markets at their full "par value" with no discount. As a rose grower Mr. Hippard is preeminently successful, and whether it be in the soil or in the method of growing the results are most gratifying.

I may mention in passing that I noticed several houses devoted entirely to  $2^{1/2}$  and

3-inch pot stock.

Nor do his carnations take a back seat. Flora Hill is no exception to her general rule, that is, to do well wherever planted. Lizzie McGowan, though relegated to a second place in the category of whites, still seems to be holding her own, and is doing nobly. As to the other varieties which I noticed, such as Scott, Daybreak, Jubilee, etc., all are in the best of condition, showing no set back of any

Market conditions are favorable, and business shows a steady improvement. From the inquiries which Mr. Hippard receives regarding ventilating machines, one may easily infer that the "boys" throughout the country contemplate making extensive additions during the coming spring. The more the merrier.

#### Los Angeles, Cal.

California recently celebrated the fiftieth anniversary of the discovery of gold. At present the entire state is rejoicing over a gentle rain which if continued for several days and then followed by warm weather will make the whole state a veritable garden of flowers.

Last year at this time carnations were in heavy supply and retailed at 15 cents to 20 cents per dozen; now they are selling at 35 cents to 50 cents per dozen. Roses have likewise advanced from 50 cents per dozen until now the choicest are being sold at \$4.00 per dozen. demand for choice flowers is very good and much more "house-grown" stock will be prepared for next winter than hereto-

Large shipments of trees are being made from the state forestry stations near Santa Monica and Pomona, The railroad companies are expected to report how the different varieties grow under the varying conditions. Such reports to be for the benefit of future planters.

W. W. Perkins, El Modena, has made another large shipment of 15,000 fieldgrown roses to the Jackson & Perkins Co., of Newark, N. Y.

II. J. Vatcher, formerly with the Packard Floral Co., is now assisting R. G. Frazier in making millionaire Ladd's home place the finest in Pasadena.

Henry Feder, proprietor of the Redondo Nursery, has a little Klondike of his own. Mr. Feder has four acres in carnations, and as frost touched him but very lightly he is now reaping a rich harvest.

Mr. E. Walker has twenty-five acres devoted mainly to bulbs and flowering plants. He has been making heavy sales of Roman hyacinths, field-grown, and now is ready to furnish everybody with parcissus.

Howard & Smith, though but a young firm, and composed of young men, have already a reputation extending to They are now shipping choice Europe. cactus in large lots to Germany.

The Packard Floral Co., of Highland Park, have issued a finely illustrated pamphlet showing views of the interior

of their model place.

The conservatories in East Los Angeles park are well filled with choice plants. The display of orchids, hyacinths and other blooming plants is very creditable and draws hundreds of visitors every day, while on Sundays they are simply crowded.

Alfalfa seed is now grown largely in this state, one thresher has just cleaned

14,000 pounds.
S. P. Rees, 222 S. Jefferson street, is having plans made for a greenhouse to be used largely for experimental purposes. Leavenworth, Kan.

Fire destroyed the greenhouses and residence of Kirkpatrick Bros., of this city, last week. Owing to the bad roads it took the fire department fully half an hour to reach the scene of the fire. The loss is estimated at \$7,000 or \$8,000, and not a dollar's worth of insurance.



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... A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale..

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soft and pliable, and a beautiful bright green.

Price per bottle, 25 cents.

84 & 86 RANDOLPH STREET, CHICAGO. VAUGHAN'S SEED STORE.

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# Jadoo Fibre and Jadoo Liquid

are to-day being sold by the leading SEED HOUSES and are used by prominent GROWERS and FLORISTS.

You Cannot Afford to Grow

Plants Without Them

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# STEMS DUST

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#### A COMPLETE AND **J**ATIVE GUANO NATURAL FETILIZER

FOR . . . (Desiceated Night Soll)

Gardeners and Florists. SOLUBLE, QUICK TO ACT, PLEASANT TO HANDLE.

## STANDARD FERTILIZER CO. Inc.

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VAUGHAN'S SEED STORE, Gen'l Western Agents, 84 Randolph St., CHICACO.



#### Omaĥa.

Negotiations for floral displays at the Trans-Mississippi International Exposi-

Trans Anssissippi International Exposi-tion are now complete.

The horticultural building is already under way, and will be ready for occu-pancy by the middle of April. It is con-sidered by far the most artistic building on the grounds with the exception of the

government building.

Prof. F. W. Taylor, Superintendent of the Bureau of Agriculture, Horticulture and Forestry of the Department of Exhibits, has arranged for many interesting floral features. One of the most striking spots will be the aquatic basin just north of the horticultural building This basin has already been excavated, and is about 100 feet in diameter and about four feet deep in the center. Henry A. Dreer has agreed to take full charge of this basin, and will fill it with aquaties.

The grounds about the buildings on this tract will be laid out in flower beds, and these will be taken in charge by the prominent plant men of the country

J. C. Yaughan will exhibit caladiums, coleuses, roses, pansies and gladioli, but it is probable that his canna beds will be the center of attraction. F. R. Pierson & Co., The Lovett Co., A. Blanc, W. Atlee, Burpee and Peter Henderson will also exhibit largely. The latter expects to have some experimental plots of grasses.

The Division of Agrostology of the United States Department of Agriculture also propose to put in from one-half to L. D. two acres in grass seeds.

#### Sharon, Pa.

There is something fascinating about a seedling; and the more so if it has some good points in its favor. Uncle Harvey, a scarlet one grown with marked success by Mr. John Murchie, is a new debutante and from all appearances it has come to stay. Portia in color, Jubilee in size and Scott as to freedom of bloom—these are its chief traits. A second seedling, a cross between Helen Keller and Meteor, looks equally promising and as a "fancy" earnation will no doubt take place in the front rank.

Seedlings, seedlings and seedlings! This will about describe the sight 1 beheld at Florist McConnell's place. His white one, designated as 19A, is a fine specimen of its kind. The bloom, calyx and stem are all that could be desired, and as a commercial variety it may well vie with the best of the standard sorts extant, 5B and 5C, both good pinks, seem destined to make their mark. The average size of the former is from two and three-fourths

to three inches

Carnations, however, were not the only flowers that attracted my attention. To say that Mr. Murchie has "some idea of growing orchids, would be expressing it in his own modest way. If his own Cerlogyne cristata, Lacha anceps, Phains granditolius and Dendrobaum Phalamopsis may be taken as a criterion to judge by, I would rank him among the best orchid growers in the land. His orchids are well worth soring.

The anticipated pleasure of seeing the genial Mr. I. M. O. Brien has been doomed to disappointment. It was a case of being confared to his bed with a spell of "mider the scather galment. The usual welcome was extended to your corre-spendent by his obliging foremen and a stroll through the houses was in no wise disappeariting. His general stock is in splendid condition

Busines - Ahead of List season is the zoner direport.



# SYRACUSE POTTERY CO. Flower Pots

## Bulb Pans, Hanging Baskets and Saucers

OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

We are general agents for all varieties of flower pots and make a specialty of FLORISTS STANDARD POTS

Manufactured by BRAZIL POTTERY & CLAY MFG. CO, Brazil, Ind. Being centrally located we can save you freight. Also head-quarters for FLORISTS SUPPLIES. Write us for price lists and we know we will get your order. VAIL SEED CO., 150 No. Delaware St., INDIANAPOLIS, IND.



# STANDARD FLOWER POTS.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage. A FULL LINE OF BULB PANS.

THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa. BRANCH WAREHOUSES: { Kearney and Westalde Aves., Jersey City, N. J. Jackson Ave. and Pearson St., Long Island City, N. Y.

# Standard Flower

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere......

CAMBRIDGE TILE MFG. CO., Covington, Ky.



# STANDARD POTS.

We Michigaeture a full line of Standard Flower Pots, Hanging Vases Lawn Vases, Seed Pans and Cylinders, glazed and with handles.

SEND for our price list before ordering else-where and save 25 per cent. Address

Hilfinger Bros. Pottery, Ft. Edward, N. Y.

## FLOWER POTS

#### A SPECIALTY STANDARD POTS

List and SAMPLES EDEP

J. G. SWAHN'S SONS, MINNEAPOLIS, MINN.

FI LL SIZE AND WIDE BOTTOMS BULB PANS AND AZALEA POTS

DETROIT FLOWER POT M'F'Y, HARRY BALSLEY, DETROIT, MICH.,
Rup. 490 HOWARD ST.

# Standard Pots

Good Railroad Facilities KELLER BROS. For shipping.
Special Attention Given to Mail Orders, and Special Sizes Made to Order.

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Price Lists Furnished on Application.



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Flower Pots. Hefore buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICACO, ILL.

Mention American Floriet

# Standard 🛰 🤏 FLOWER

If your greenhouses are within 500 miles of the Capital, write as we can save you money.

W. H. ERNEST.

Station M, N. E.

WASHINGTON, D. C

#### Helpful Reminders.

Had I been reminding you last October, you would have been advised to secure a number of plants of Deutzia gracilis. Good strong roots usually fill 5 or 6-inch pots, and they should be packed in a cold pit, bringing a few into heat each week, as they are required. The number depends on the size of your business.

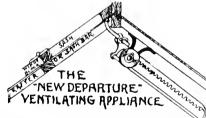
Those brought in January 1 are in bud February 10, and will be pretty for use in six or eight days more; the flowers are very much like lily of the valley, and can be cut in sprays six to eighteen inches long. They are as valuable as any hardy plant, and are beautiful forcut flowers, made up work, or the pots for decorations; there is no work in which they can not be used. You can get them at from \$6 to \$10 per

hundred, and use them year after year.

For next year's use a few seeds of Draeæna indivisa and Grevillea robusta should be sown now; those which you started last year want a shift for your spring use. Petunia, lobelia and centaurea should be sown now. As watering newly sown seed is a "ticklish" business, set your pans or flats in the shade secure from They have no use for light until leaf shows, and the evaporation is less rapid in the shade. If you have camellias they should be syringed every evening, and do not let them dry at root; although you do not expect a crop before next fall, a fine growth should be secured this spring.

Next July, August, September and October you will want choice flowers for decorations. Secure now bulbs of auratum and speciosum lilies, pot them at once, set under bench, keep a trifle dry in a cold house, and you are safe for a summer crop after all your Harrissii are gone. As soon as they are started three to four inches bring to light.

The first warm day take a careful look at your fall planting of pansies, if they are O. K. shut them up and leave well enough alone for six weeks, but if you find the field mice or some other cause has destroyed many sow more seed at once, C. B. W.



You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to

J. D. CARMODY, Evansville, Ind.



Write for Estimates.



# Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

# Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and sayes fuel. It lasts longer, looks better and costs less than the old-fashioned lasts longer, looks betterand costs less than the old-lastified roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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Write for Circulars or Estimates

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NOTHING Flimsy OR Complicated about it.

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GREENHOUSE MATERIAL

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# Wheeler-Stenzel Co.

IMPORTERS AND JORRERS

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Make your contracts for next season now. We can deliver to any part of the country and Save You Money .....

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FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats. Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YDRK.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

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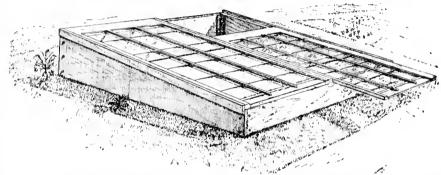
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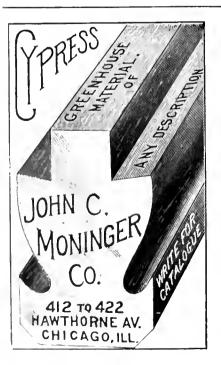
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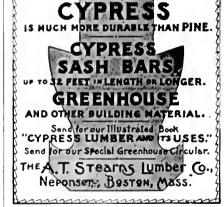


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CHICAGO AND NEW YORK, FEBRUARY 26, 1898.

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ORNAMIENTAL HORTICOLOUSIS.

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#### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia, February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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WILLIAM NICHOLSON.

President-elect of the American Carnation Society

#### AMERICAN CARNATION SOCIETY

# Moisture the Plant's Greatest Requirement.

That which is most common usually provokes least attention. The fact that water is connected with all kinds of life, that it is a universal solvent, and that it is aken up freely by organisms, and evaporated from their surfaces in large amounts, encourages indifference toward the subject rather than excites interest. Water hides under no disguises; it is always separable and recognizable; it does not partake of the mysteries of the food supply.

The man who undertakes to protect plants from the accidents of outdoor life by housing them under a canopy of glass, becomes the step-parent to nature, and will succeed best when he most fully understands the needs of the charges entrusted to his care. It does not follow that the greenhouse cultivator is to imitate nature in her methods of supplying the wants of the plant; more economical, more direct, and more efficient methods are often possible, and in fact are often necessary to secure commercial success.

Because out of doors it rains on the just and unjust alike is no reason why the florist should drench everything within his houses daily. Overhead watering under glass may be a good imitation of nature, but it is not necessarily the way to bring about the result the florist has in view, healthy plants with a maximum development of flowers. The watering-pot and its substitute, the spray nozzle, are to be considered primitive implements, which are to be laid aside as soon as improved methods can be devised. A move in this direction has been made by carnationists in using a modified nozzle and applying the water to the soil without wetting the foliage.

It is because the carnationists have shown themselves progressive, and willing and ready to test promising innovations, that I venture to advocate to-day a radical change in watering the greenhouse, and one that requires some expense to inaugurate. I remember with pleasure the reception of my paper before this society at its Buffalo meeting, in which I suggested watering earnations between the rows and keeping the foliage dry as far as practicable. Although the wraith of the red spider seemed to hover over the assembly and threaten grave disaster to such a course, yet the suggestion was tested, approved, and under various modified forms became a part of standard carnation culture. I now come before you to advocate watering the benches from beneath the soil and practical abandonment of surface watering and spraying. It has sometimes been called subirrigation, but a better term is subwatering.

The essential feature of this method, which was originated at the University of Ohio and has been tested in a number of places for various glass-grown vegetable crops, consists of a water-tight bench with a layer of open material on the bottom through which water moves readily, and the filling of the bench completed with soil in the usual manner. The bench is kept moist by supplying water to the porous layer bencath, from which the soil takes it by capillarity. No water is applied directly to the soil, and all use of the nozzle is done away with. Before giving the working details of this method, I wish to call attention to some of the reasons why watering plants should be considered a matter of great importance and worthy of the most careful study.

In the first place every plant, generally speaking, consists of three parts of water to one part of all other kinds of substances. This proportion is quite universal for all living things. It is equally true of trees, grass, mosses and molds. It also holds for animals. A cabbage plant and the body of a dog do not vary much in the proportion of water to solids.

Immature organs contain more water than when matured. Although the water in a whole carnation plant, roots, stems, leaves and flowers amounts to about 75%. of the total weight, yet in the young shoots, such as would be suitable for cuttings, it rises to 90%, and in the halt formed leaves is even greater yet. It we remember that the chief growth of the plant takes place in the parts where the largest amount of water occurs, we shall be reasonably safe in inferring that water is a very essential factor in growth.

It has been ascertained, in fact, that the tissues must not only be saturated with water, but they must be supersaturated, that is, contain so much water that every cell is distended with the pressure, before growth will proceed. Each cell must be stretched by the internal pressure of the water, as a toy balloon is distended by the air forced into it. It is this by no means inconsiderable tension that renders young parts firm and brittle, and when it is removed they wilt. No appreciable growth can take place in leaves and stems that are wilted, or in a wilted condition. In the carnation the cell structure is so compact and the walls so rigid that the loss of water is often very considerable before visible wilting takes place. At this point lies a danger, for the plants may suffer for water for some time before the attendant notices their condition. Withideal treatment the plants should never wilt, and never lack for water to enable them to

Not only must a certain amount of water be present in the plant to secure its active development, but a stream of water must be passing through the plant constantly, from the roots to the leaves. This upward flow of water is essential to most plants. It is the means of taking in the various fertilizing materials, or food substances, from the soil and transporting them to the upper parts of the plant, where they enter into the solid structures forming the tissues. The root hairs on the fine roots suck in the soil water, and its burden of nutritive material and force it forward into the larger roots and the stem, with pump-like activity, so long as water is available. The leaves dispose of the water by allowing it to escape from their surfaces as an invisible vapor, leaving behind all substances held in solution.

In some instances the water passes out through any part of the surface, but there are always stomata, minute openings, sometimes called breathing pores, which permit it to escape much more readily. The carnation has the surface of all green parts, both stems and leaves, overspread with a layer of white wax, which is impervious to moisture. All transpiration must therefore be through the stomata. These openings are very numer. ons, there being from one to five hundred thousand on every leaf Unlike most points, the carnation shows no material difference in the namute structure of the appearand lower surfaces of the leaves. they coeff in no sporgy tissue, and have the stomate distributed evenly through but both above and below. If one bould look through glasses that magnihould be through glasses that magni-red as reaches a common uncroscope, we lear reach appear to be thickly studded with reard openings, like hi-the reds, and petring into one, some way to ow the surface would be seen way to ow the surface would be seen way to ow the surface would be seen way to the after that automatically per mediclose in chairs the lips open adjust to per storic prevent the expectation to per storic prevent. The three redsections and when they in his stress constraints are also as a first or a first or the conditions per constraints of the conditions per constraints of conditions.

This is a fortunate arrangement, for it tends to prevent loss of moisture at a time when the roots for some reason are no longer able to supply the needs of the The second condition closing the stomata, is when water is dashed over the plant. A drop falls into each opening and causes the guard cells to swell until they effectually fill the passage. It matters not how much water the roots are taking in at the time, the whole water system of the plant is clogged and development is retarded.

Sometimes the movement of water through the plant is stopped, even when the stomata are open; for when the atmosphere is satuated it is evident that evaporation from the plant must necessarily come to a standstill. Perfect saturation of the atmosphere is probably rare even in a closed greenhouse, but partial saturation must in a measure check the internal water stream, and in so far must be detrimental to the best development

of the plant. If there is anything that the structure of the carnation plant and the known function of the organs clearly teaches, it is that there should be a never failing supply of moisture for the roots, and a fairly dry atmosphere for the foliage. I venture to say that these conditions can not be better met than by sub-watering. The present method of surface watering, even when most skillfully done, probably never gives the plants the full amount of water they would use. The soil is alternately too wet and too dry, and besides often suffers from a lack of water at the bottom of the bench although the surface seems wet enough. The difference between the amount of growth when an ample and constant water supply is provided, and that secured from the usual surface method of watering is always a source of astonishment when fairly tested and the results clearly set forth. I have no data to present in growing carnations by the new method of sub-watering; and will not detain you with figures taken from erops of vegetables. But that the carna-tion will respond to this method as have other plants, there can be no doubt.

One other point needs mention in this connection. The physical character of the soil has much to do with successful cultivation. Some writers maintain that it is quite as important an item as the food supply. With sub-watering the soil supply. With sub-watering remains light and friable, readily perme-ated with oxygen from the atmosphere, easily penetrated by roots, and at all times in the best of condition for serving the plant. The soil of the bench once suitably prepared for the reception of the plant remains so, or even improves on account of the apward movement of the water through it. This is in marked contrast to the compacting that follows every application of water to the surface. Surface watering drives out the air from the soil at each watering, keeps the upper layers wetter than beneath, and makes it difficult to provide for the needs of the deeper roots

Beside the advantages in sub-watering, which I have mentioned, there are others which are incidental features, but by no means unimportant. One of these is the treedom of the surface of the soil from weeds, moss and slime. The surface layer can even be kept quite dry, and act as a mulch, it desired, and at any rate it will be the dryest soil in the bench. The dryness of the surface of the benches, and the an throughout the greenhouse, will have a marked effect in preventing and holding in check all lands of parasitic diseases, both fungous and bacterial, a

desirable result that the carnationists are fully able to appreciate. The causes which prevent the inroad of germs, promote the functional activity of the leaves on the lower parts of the plant and they remain green and healthy much longer than usual, greatly to the advantage of the plant.

It is evident that the writer believes that the proposed system of sub-watering is in many way a good thing, and nowise injurious. He also believes that it can be made commercially profitable. The trial bench at the Indiana Experiment Station. which has been in use two years, chiefly for lettuce, is fitted with a water-tight lining of zinc, on which soft building brick are placed edgewise, their lower angles having been chipped off to permit freer movement of water between them. On this layer of brick the soil is placed in the usual manner. The water is run into the bottom of the bench through vertical tubes at intervals along the front, and at the rear overflows are provided at an inch above the bottom to guard against accidental flooding. Gauges, consisting of a simple bent tube, show when the water is exhausted. The bricks take up the water, and pass it on to the soil above, slowly and uniformly. By runring a water pipe along the bench opening into each vertical tube, the whole bench or the whole greenhouse, can be watered at once by turning a single stopcock, and thus do away with one of the time-consuming features of greenhouse work. Whether this be the best way in which to provide for sub-watering, time will reveal; but it is efficient, lasting and not expensive beyond profitable returns.

I have pointed out that the plant's greatest need is water; that three-fourths of its substance is made up of water; that it directly controls growth by maintaining internal pressure; and that a constant stream through the plant is required for healthful development. I have called attention to the disadvantages in supplying the plant, especially carnations under glass, with water in the usual manner, and not wishing to be opprobriously called a theorist, lacking practical ideas, have pointed out a better method, which has had some preliminary trial. I shall feel that I have not misjudged the importance of the matter to commercial growers, if any members of this society should find it profitable to make practicable application of the suggestions of the paper.

#### The Banquet.

The Egyptian banquet half of the Anditorium hotel was prettily decorated for the banquet tendered the American Carnation Society by the local florists on the evening of February 18. Groups of palms were placed at the entrance and other portions of the room, with large vases of carnations at the base.

The main table was decorated with a plateau of single narcissus, edged with tulips and large trumpet-shaped vases of Jubilee, Mayor Pingree, Mrs. McBur-ncy and Bridesmaid carnations. Longstemmed American Beauties were laid on the table, the flowers and foliage covering the table and hanging over the edge. There were four tables extending from the main one, and they were treated in different colors one with plateau of Brides and vases of Flora Hill carnations, one with plateau of Meteor roses and vases of Meteor carnations, one with plateau of Bridesmaid roses and carnations of the same name in vases, and the fourth with

Exhibitor

Mr. Heinl has recently added a seed busi-

Details of the Certificate Scores.

points awarded the different varieties in

the competition for certificates.

allowed in the scale.

Variety

The following table gives in detail the

Every variety in the preliminary certifi-

cate classes scoring seventy-five points,

or more, received a certificate, as there

were no plants required in these classes,

although ten points on plant were

In the three-year class it was unfortunate that Mr. Niquet failed to stage a

plant of the variety Maud Adams, as he lost all of the ten points by doing so.

PRELIMINARY CLASS POSSIBLE 90

\* Mrs. T. Lawson. 15 15 15 15 10 10 5 85 Fisher

Wellesley...... 10 10 15 12 8 8 5 68 Tailby \*America...... 12 44 15 13 9 8 9 80 Hill

George M. Kellogg, of Pleasant Hill,

ness to his flower store.

afternoon.

plateau of American Beauties and vases of carnations.

The bouquets were of Mrs. Bradt and Gold Nugget carnations. Instrumental music was furnished by a mandolin orchestra stationed in the balcony, and the Florists' Club quartette, Messrs. Me-Kellar, Winterson, Kissel and Balluff, aroused much enthusiasm with their selections during the evening.

The plants for the occasion were kindly furnished by Geo. Wittbold, the plateaus by E. Wienhoeber, the carnations by the late exhibitors, and the arrangements carried out by John Gormley and P. J. Hauswirth.

The banquet was served in the best style of the Auditorium, and in duc season Toastmaster G. L. Grant called upon President Rudd to respond for the American Carnation Society. Mr. Rudd was received with long continued and enthusiastic applause, and his hopeful predictions of the inture of the society were cordially endorsed.

Adam Graham, of Cleveland, whose name was associated with the Society of American Florists made very kindly references to its thriving auxiliary, and predicted a great future for it and all kindred organizations.

President-elect Nicholson's earnest words of promised work were warmly applanded.

Mr. Ilill answered to the toast, "The Future of the Carnation," and gave a rosy outlook anticipating the early realization of Mr. Thorpe's four-inch flower.

Mr. Scott replying to the toast, "The Whole Thing," made a characteristic speech touching on the good-comradeship enjoyed at this gathering, and said that it was worth coming 2000 miles to par-ticipate in this convention and exhibition, which he asserted was the greatest show of this flower the world had ever seen.

W. J. Vesey, secretary of the Fiorists' Mutual Fire Insurance Association, gave a very earnest and convincing talk on the merits of this plan and urged the support

Mr. Thorpe responded to the sentiment.
"The Old and the New," and he gave some very interesting reminisences of the early history of the S. A. F. and the natural branching out of the auxiliary

ship of the entire assemblage.

C. W. Ward was called on to speak for "The Carnation in Greater New York, and referred to the high prices willingly

Albert M. Herr spoke of the progress made by the society during the past year.

Mr. Dorner responded for "The Divine Flower" with all his old-time fervor.

Alex. Wallace put in a word for "The Hostianthyral Props."

R. Witterstaetter discoursed on "The Carnation in Ohio" calling attention to the progress being made there as else-

J. S. Stuart responded for "The Carnation in Indiana," claiming for that state a prominent place in carnation affairs.

much delight in referring to the pleasures of the evening, and dispersed at a late

#### Notes.

Joseph Heinl, of Jacksonville, Ill., was an interested visitor at all the sessions.

of all that a practical trial be given to it.

Mo., one of the enthusiastic supporters of the next national meeting of the S. A. F. at Omaha, who was present, takes a hopeful view of the coming meeting there. Saturday was given up to business calls at the various city stores and to

excursions to the large greenhouse establishments at nearby points.
Alex Wallace, E. G. Hill and Wm. Scott did not get away till late Saturday

natural branching out of the auxiliary societies from the parent source.

E. H. Giesy spoke to "The Voice of Prophecy," and succeeded in conveying to his hearers the information that "There's a good time coming."

Mr. Chadwick responded for "The Horticultural Societies," and the happy vein of his remarks won him the friendship of the auticus assemblaces.

paid for good stock.

Horticultural Press.

where.

The members of the society expressed

\*Arbutus....... 15 14 15 14 9 8 5 80 Hill \*Scarlet Queen.... 15 15 12 13 10 10 5 80 I(i)] Prima Donna... 15 13 14 10 8 8 5 73 Hill THREE YEAR CLASS, POSSIBLE 100. Color Size Culyx Stem Substance Form Fragrance Exhibitor Maud Adams 14 12 14 13 10 10 7 B 80 Niquet \*Empress.... 15 15 13 15 10 10 10 8 96 Swayne \*Eyelina...., 15 15 14 15 10 10 | 5 10 94 Wit'staetter Fort Wayne, 12 13 14 13 8 10 4, 6 80 Vesey \*Argyle..... 45 14 14 14 10 9 5 10 91 Stollery

## \*G. H. Crane, 13 15 15 15 10 10 5 9 92 Dorner

#### B. No plant exhibited. \*Certificate.

#### Late Awards.

A delayed package of carnations, from Geo. A. Rackham, Detroit, Mich., reached the exhibition hall on the closing day (Friday), and the judges awarded second prizes for fifty blooms of Wm. Scott and fifty Alaska.

#### Echoes.

Adam told Scott about the Duke of Argyle again, and they both laughed.

Dean Palmer and Chadwick lingered long by the Genesec, so did Long.

Peterson came pretty near h trouble with the Princess of Wales. having

Somebody asked Balsley if he was not afraid of getting lost "Not with this suit on and I have no bell either", said Harry. Gurney has scarlet fever in a very pronounced form.

Egan told Weber twice that Mrs. Rob ert Garrett is very beautiful. Dorner has a new variety (carnation



HOUSE OF MRS. McBURNEY.

of course) built on entirely new lineslookout

Michel handled those South Park roses like a pro.

Swayne was with the Empress nearly

all day.

Bertermann or somebody else said Wiegand and Langstaff could not be both spared from home at the same time; Langstaff won the toss

Tailby was badly handicapped by distance, coming from the Hub.

Ward's Bon Ton is quite sparkling.

Coles may add another branch to his buisness-to grow tishing rods-several sporty men talked with him during the day

Craig's flowers unfortunately were not in the best condition.

Witterstaetter held a whole day's levee with his Evelina.

Cincinnati's was the banner crowd, Breitmeyer still smiles for Mayor

Pingree.

Some lessons in packing are still needed -several packages of seedling came in the worst possible condition. J. T. A saidwell he didn't laugh.

There are several other Richmonds in

If Edgar Sanders' rule had been used before, one of those Frisco flowers would have gone four inches. The rule was new and inexperienced.

The ladies admired the other two ladies, Mrs. Bradt and Mrs. McBurney.

Evans said the Challenge would have kept the temperature lower.

Phil Hauswirth began to place carnation supports on ice a week before convention.

Hart says he has his eye on five or six of the new ones all right.

Elliott thinks he has been well paid for

tishing pole business, too.

his trip from l'ittsburg. It may be Bassett will go into that

#### New York.

BUSINESS GOOD,—SMILAN SCARCE.—A BIG WEDDING — CHANGES IN RETAIL AND WHOLLSALE ESTABLISHMENTS. - THE ANNUAL DINNER, HITCHINGS & CO'S EM-PLOYES BALL - ISMES AS A JURYMAN.

Up to Wednesday, when Lent began, trade has been quite good here. Bulbous stock has been moving better, which is a good indication of activity all through the list Smilax is getting scarce, as usual at this season of the year. Asparagus Sprengern seems to be gradually making a place for itself and is frequently called for It is available in limited quantities at a dollar for three bunches,

Monday next one of the largest wedding orders of the season will be executed by Hantt Bros. It is the wed ding of Geo. Lhret's daughter. Large quantities of hly of the valley, Bridesmaid

roses and smala's used.

There will be several changes in retail stores towards spring [1] W. Scallen will move to rest door on Broadway Aleisch can will be associated with Mrs. Warend att at the store on latty much street and Madison come teamerly occupied by Chis Mitter

The Alades der will see some changes also. If A. Hoffman retries from busi ness in I wents might treet, the present cell. It is runnered that M. V. Hart is to cover how. If remoth to I wenty eighth STREET

The club direction is finday evening all to being the control of Prot John R. Smith, will be a large to a Proof John B Smith, less the officers of the Lenex Heathcult and Selective from a speed in vitations to be present [1,8]. We is listed to respond [1,8] are the same and the bill will be reported with this amendment. An effort should now be made by flower to have uniform legislations.



CARNATION BON TON, GROWN BY F. A. BLAKE.

for the S. A. F.; John Morris for "Our Night;" Prof. Smith for the Experiment Stations: Prot. Britton for the Botanical Gardens; C.B. Weathered for our Society's Influence and John Young for the Whole-

The fourth annual ball of the employes of Hitchings & Co. was held at Jersey City on February 15. Eight sets participated and the occasion was an unqualified success in every feature.

Ernst Asmus gets especial mention in the force (ity fournai as a model juryman. He is serving on the Simpson-Noonan conspiracy case. His "stylish equipage and well-matched horses" attract attention.

The committee representing the New York Florists' Club appeared before the Schate Committee at Albany on Wednesday and succeeded in having an amend ment adopted exempting florists' greenhouse plants, flowers and cuttings com-monly known as florists' stock from the provisions of the bill relative to the prevention of diseases in trees and pests that intest the same and the bill will be

Valettort should now be made by flo-

tion on this subject. In states where laws are already in force bearing upon this subject the florists should unite with the experiment stations in an effort to have the laws amended or interpreted as exempting florists' stock. The action of the Michigan authorities in admitting florists' plants without certificates or examination, provided the experiment station is notified by consignor and con-signee that florists' plants are being forwarded, also of the legislatures of New York and New Jersey and of the house committee in Washington in accepting amendments exempting such stock may be cited to strengthen the florists' posi-

Clarence, son of James Purdy, died at Sing Sing, February 25, aged 15; Mrs. Owen McDonald died the same date.

#### Philadelphia.

STOCK SCARCE.—PRICES ABOUT THE SAME. GREENS SELL WELL.—LADIES' NIGHT AT THE CLUB-PRIZES FOR BOWLING AND SHUFFLEBOARD.

The social season wound up all right, everybody seeming to be busy; growers are the only ones to complain, as flowers have been so scarce that they have not for the past week been able to send in their usual quota. "If demand and supply would only keep pace with one another what a delightful business this would be," remarked a grower theother day. When we have plenty of flowers the price is very low, and it is a hard job to get rid of the stock, but when they get scarce what a difference; there don't seem to be trains enough to get in the small installments the dealers must have, and the telephone is ringing all the time for more of this or that until one is almost distracted.

In spite of the scarcity of stock, prices have remained about the same for roses. Carnatious, however, stiffened up a bit, and \$2 was asked for quite ordinary flowers. Daffodils, valley and tulips remain about the same, there being about enough for the demand. Violets have been plentiful at about the same prices.

Greens have sold well, very little adian-

Tuesday evening was a great success. There was a good attendance of the fair sex and all present expressed themselves as much pleased with their entertainment. President Harris opened the exercises with a few well chosen words in which he welcomed the ladies and expressed the hope that there would be many occasions of a like nature; he paid a glowing tribute to fair woman, likening her to a rose, the most beautiful of flowers. Poetry was also a feature, which we regret we cannot include in these remarks, not having the address at hand. Mr. Lonsdale accepted the position of chairman of the entertainment at Mr. Harris' hands. There were songs by Mr. Dumont, who has a fine songs by Air. Dilliont, who has a mic-voice, and by some other gentlemen out-side of the trade. John Walker sang an original song to the tune of "There'll be a Hot Time in the Old Town To-Night" that brought down the house. Robt. Kift also sang an original song for the Miss Nellie Hinckle, while the booby prize was taken by Mrs. Craig with a score of 000. Each contestant was allowed nine balls each at a full frame.

balls each at a full frame.
At the shuffle boards Miss Gloster won the first prize, Miss Carey the second and Mrs. John Burton the third, while Miss Annie Lonsdale won the booby. Every one present was immensely pleased with the entire entertainment, John Westcott particularly, as he was largely instrumental in bringing it about, and worked hard to make it a success.

Mr. P. H. Meehan who for several years past has served in the capacity of foreman for Myers & Sautmann, is now open for a position. Mr. Meehan has had great success with Beauty and Bridesmaid roses, his stock being equal to any coming to this market. He has also been quite successful in raising new varieties of roses, several of his seedlings having considerable merit.



ROSE CLARA WATSON.

tums going to waste, and asparagus, in bunches particularly, being always behind the demand. The Sprengerii is a good seller, and is being used considerably for table decorations: it certainly seems to have a future.

Blooming plants are now largely in evidence and brighten up the stores considerably. Azaleas, rhododendrons, lihaes, cinerarias, eyclamens, genistas, hyaeinths, daffodils and tulips are all to be had in quantity, and as a rule the quality is fine. The demand for this class of stock varies with the weather, a nice spring-like day seeming to put flower buyers in the humor to get a plant for the window.

The first ladies' night, or reception to the ladies, given by the Florists' Club last benefit of the bachelors. Mrs. Dr. Goebee played beautifully on the piano, and the "Brave Old Duke of York" was given in Mr. Lonsdale's best style.

After refreshments had been served bowling and shuffleboard for prizes was indulged in by the ladies and thoroughly enjoyed, particularly the bowling, as watching the balls slowly edging over to one side of the alley or the other, and going oil gracefully into the gutter before they touched the pins, was great amusement to all except the fair bowler, whose look of disgust would have done credit to a veteran. Some ladies took part in this game. High score, sixty-one, was made by a Miss Stewart; second, forty-seven by Mrs. Dr. Goebee; third, forty-three by

Don't forget the lily symposium at the next meeting of the club; it is a matter of interest to all growers of these bulbs, and now is the best time to discuss it. K.

#### The Clara Watson Rose.

This excellent variety has given much satisfaction recently and it is likely to be much sought after in the immediate future. It is a strong grower, and affords good results outdoors or under glass. The large flowers, of a beautiful soft pink with salmon shading, are produced in great abundance, and hold out to a remarkable extent for a rose of this delicate color

#### Boston.

LECTURE ON STREET TREES BY W. R. SMITH. -A NOTABLE BANQUET, +POETRY AND ORATORY. - NOTES FROM WABAN ROSE CONSERVATORIES. -- A BEAUTIFUL GREENHOUSE CLIMBER.

The announcement that W. R. Smith, of Washington, was to lecture before the Massachusetts Horticultural Society on Saturday, February 19, on the subject of street trees, attracted an immense audience, nearly filling the lower hall. The paper was of the high character that would be expected from such a source, earefully prepared, well thought out and full of the garnered knowledge of half a century of devotion to this subject, and was followed by an animated discussion of the points touched upon. injury done to shade trees by electric wires was strongly dwelt upon by a number of speakers. On the exhibition tables were some interesting collections of flowers from James Comley, Mrs. E. M. Gill and others. Certificates of merit were awarded to W. W. Lunt for Cypripedium Lathamianum, and to James Comley for a handsome double pink prunus of Japanese origin. Wm. Thatcher showed plants of single violet St. Augustine, and donble primulas.

W. R. Smith was in the hands of his friends on Saturday evening. The banquet hall in the Brunswick was once more the scene of an enthusiastic gathering of the lovers of horticulture, who had come to do honor to their distinguished guest. The decorations of the tables and mantels were superb, rich material being contributed from many commercial and private establishments, and the work being done by Messrs. M. H. Norton and Carl Blomberg. Over the mirror was a canopy of the lovely Clematis indivisa which made such a sensation when similarly used at the time of the carnation society's entertainment here. The buttonhole bouquets were sprigs of heather, and appropriate quotations from Burns adorned the

menu.

After the dinner had been duly disposed of, Mr. M. H. Norton rapped for order and briefly expressing his appreciation of the occasion, introduced Hon, C. W. Hoitt as toastmaster, who, in turn, presented the guest of the evening. Mr. Smith said he wished that he had words to utter what his heart felt. He told of the pleasure he always experienced in coming to Boston and meeting his friends there, and in describing his first visit, thirty years ago, dwelt upon the beauty of the grounds and surroundings at Mr. Hunnewell's place and the kindness of Mr. Harris to him. His witty allusions to certain experiences of late years with some of the gentlemen present were greatly emoved

Before beginning on his list of orators Judge Houtt gave them the timely admoni-

Maria

Mr. J. D. W. French, long identified with the library management of the Massachusetts Horticultural Society, was the first speaker. He told in an interest ing manner of the importance of the great forest reservations of the state and the nation and wished that Mr. Smith night be brought here oftener. Prof. Louis C. Lison of the New Lingland Conscivatory of Music followed. He had been lecturing in a remote part of Pens, vivanic and lind traveled in the caboose of a freight trainfall. the previous might in order to participate in this occasion. He reterred to the great number and many concret of Smiths in

the world, which he never could account for until he saw recently in New Jersey a sign inscribed "Smith Manufacturing and that explained it all. But this is the gowd, for a' that." He then one "is the gowd, for a' that." read a poetical effusion which he had composed while riding in the aforesaid caboose, in which the follies and accomlishments of some of the local craft were cleverly hit, the concluding verses of which were:

Then welcome to our good old friend. Then welcome to our good old friend.
Who traveled from afar,
The hand of greeting we extend
To our seort's Lochinvar.
To-night we are his kin and kith,
We're glad to meet you. Mr. Smith,"

So here's to him who is our guest. 'So here's to him who is our guest, With whom we come to dine. We greet him with our very best Because of 'And Lang Sync,' 'And this is of my verse the pith, 'Here's all good luck to Mr. Smith.'"

Messrs. Oakes Ames, E. M. Wood, W. J. Stewart, W. H. Manning, E. L. Beard, E. O. Orpet, J. Ph. Rinn, W. W. Lunt, J. W. Manning, W. J. Hargraves and others all spoke in appreciation of Mr. Smith's eminent services to horticulture, his honorable record, his attainments in his special field, his worth as a man and the pleasure they found in his acquaintance

and friendship.

Mr. Jackson Dawson talked very interestingly of the trees he had noted in his recent trip to Europe, mentioning particularly the grand cedars of Lebanon in Scotland and the remarkable fact that the finest specimens of some of the Pacific coast trees are to be seen there. Fota Island, he declared beats the world for the great variety of its trees. Lawrence Cotter claimed Foto Island as the land of his nativity and corroborated Mr. Dawson's description of its beauties. He referred eloquently to Massachusetts horticulture, too. Warren Ewell was horticulture, too. reserved, like good wine, for the last. He said that he was relieved to find that he had not been left out and remarked that his favorite tree was the pine which is easy to climb in case of fire. Warren spoke but a few moments but succeeded in putting the entire company in a state of hilarious collapse before he got through. Then came "Auld Lang Syne" led by Prof. Elson and rendered with grand

At Waban Conservatories Mr. Montgomery has a house of Carnot roses which have just been cut back and are now beginning to break, after a dry rest, and are expected to yield a fine crop for Easter time. Mr. Montgomery says that Carnot is identical with Kaiserin in behavior and is of little value as a mid-winterrose. It has to be forced to keep it in bloom and then it loses color. They are cutting now from the first house of Brunners, good flowers for the season, and other houses are ready to follow in succession. The new rose Sharman Crawford is being tried in a limited quantity and looks promising now. Mr. Montgomery asserts that Mrs Pierpont Morgan is gradually gaming ground. A regular and increasing call for it has been experienced this season. It has been rather slow in blooming up to I chruary but will give a good cut from now on A handy device in use here is a quantity of tin sheets cut a fraction wider than the glass panes in the various houses which can be sprung into place at a moment's notice, from inside the houses, when a light of glass gets broken. These came in very useful after the recent blizzard. A number of these tin squares are proyided in each house

Chimatis indivisa is in bloom at Mr Hunnewell's and is a picture worth going.

Another prime a long distance to see. attraction is Begonia Gloire de Lorraine which has been constantly in bloom since November 1, and is still a perfect mass of pink flowers, in a house that frequently goes as low as 40° temperature at night.

The Massachusetts Horticultural Society held a meeting on February 19th to decide whether it would remove from its present location to one better fitted for its needs. While there is undoubtedly a sufficiently strong sentiment in favor of a better location, with modern halls, etc., vet the society is not prepared to commit itself to any scheme for carrying it off a couple of miles from the center of business as the recommendation of the building committee provided, hence the whole matter was voted down and, for the present, there is not likely to be any change made.

The Massachusetts Forestry Association has been organized. Many prominent gentlemen have already signed the membership roll. Membership fee is \$2. and life membership \$50. Applications for membership should be sent to Allan Chamberlain, Winchester, Mass.

E. Sutermeister has been appointed assignee for Fred. W. Hiatt.

#### Louisville, Ky.

Business continues to be brisk here, with roses and carnations very scarce. season has been a very poor one for both, very few growers have cut as many roses this year as last, and all claim their carnations have done poorly; the writer himself having twice the amount of space in carnations and not cutting any more blooms than last year. This is no doubt caused by the continued cloudy weather we have been having here.

In my last letter I spoke of the need of a commission house here, since which time I have received several letters from retailers claiming I was mistaken and that we were receiving more money for our flowers than if they went through a commission house; also that it would be the means of introducing the fakir in our eity, which would injure our business very much. I would like to hear from some of our brother florists in cities that have both the commission men and the fakir to know what they think about it.

Mr. Rice, of Philadelphia, is in our city at present, and seems to be getting some good orders.

Geo. Schulz is sending in some very fine California violets, of which he has a large С. Н. К.

WILLIAM McMullax, recently of Buffalo parks, has been appointed superintendent of the Essex county (New Jersey), park system

CHAMPAGN, ILL.-Thursday morning February 17, the boiler room and a portion of the greenhouses belonging to the East Side Floral Co. were damaged by fire. The origin is unknown, and the loss will be about \$2000. A large force of men were put to work at once, and everything is again in running order.

SALT LAKE CITY, UTAIL -- The Salt Lake Plorists' and Gardeners' Association held its regular meeting at the Huddart Floral Company's office, February 16. was a large attendance. Addresses were made by the presiding officer, Mr. John, Reading, Mr. James Williams and Mr. H. F. Thornp. The next meeting will be held March 3, when officers will be elected for the ensuing year.

#### THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to secure Insertion in the Issue for the following Saturday.
Address THE AMERICAN FLORIST CO., Chicago.

#### A Correction.

Mr. F. A. Chapman advises us of a mistake in the statement in our Grand Rapids notes in a recent issue that his "violet house was frozen." He says no such accident occurred.

We are pleased to learn that Mr. Chapman's house is still in good shape and we trust that it will continue to bring him in many dollars till the end of the season.

### Tulips, Narcissus and Dutch Hyacinths for Easter.

ED. AM. FLORIST:—In the issue of February 12, page 753, your correspondent "B." in answer to "A. V." states that in order to have tulips, narcissus and Dutch hyacinths in bloom for Easter (April 10), just seven weeks from date, it will be necessary to place them in a temperature of 45° at once, increasing the heat gradually to 65° or 70° in the course of the next two weeks.

Surely there must be some mistakehere, for if the bulbs are in the right condition for this season of the year, they will be well advanced, and should need but half that time to properly develope them, and a temperature of 60° would be ample, and if they get too forward, a lower temperature still will do, especially for tulips, for if allowed to expand fully many times, which they are bound to do in a high temperature, they will be useless as cut flowers.

There is no better place for tulips and narcissus at this season of the year than under the benches of a carnation house, where the drip from watering will not spoil the flowers.

NARCISSUS.

#### Forcing Paeonies.

ED. AM. FLORIST:—Will you please state through your columns whether it is possible to flower Pæonia tenuifolia fl. pl. by Easter? Would a violet house be the right place for them? They are now in a violet house in 5-inch pots. Would they need drawing up to get long stems? Imported from Holland last fall.

W. Dunman.

I am afraid all the flowers Mr. Dunman will get on imported pieces in 5-inch pots for next Easter will be quite easily disposed of. It is quite possible to flower Pæonia tenuifolia, but as they are gross feeders, I would shift them at once into 8 or 9-inch pots with good drainage, using the richest loam procurable, increasing the temperature from that of the violet house to about 60° at night with a further rise of 10° in the daytime, giving plenty of air on all favorable occasions. When the flowers begin to open, the plants should be moved back to the violet house and hardened off properly before using.

My advice is not to force them this year, but plant them out in well prepared ground, and after they have made about

three years growth they will be fit subjects to force, if they will stand the climate.

LAWRENCE COTTER.

#### Split Calyx.

ED. AM. FLORIST:—Would you kindly tell me through the columns of your paper the cause and remedy of split in carnations. I have Portia and Silver Spray in one house and Portia and Wm. Scott in another. The Silver Spray and the Portias in both houses are splitting. Wm. Scott came in first-class flowers under the same treatment. I keep them at a night temperature of 52°; on cold nights the temperature falls a little lower; day temperature 60° to 66°. Would a too heavy liquid manure dressing cause split?

The gentleman wants to know the cause and remedy of split in carnations, especially with the varieties Portia and Silver Spray. As I understand it he means by split the bursting of the calyx. The cause of bursting the calyx is a problem difficult to solve; the fault lies in the calyx not being strong enough to allow the flower to push up through it and properly expand; and some varieties are weaker in that respect than others, among them the two varieties named, hence they are being discarded for varieties that show the improvement that is being made in this line by the various seedling raisers, and many a fine variety in other respects has to be turned down for this one failing. It can be guarded against to a certain extent, however, as careless treatment by over-watering, stripping the plant of too many cuttings, and overfeeding with liquid manure, together with a close atmosphere are great factors in causing a carnation to burst its calyx.

#### Bugs on Carnation Blooms.

ED. AM. FLORIST:—Will you please tell me how to get rid of a little bug that is eating the color out of the flowers of my carnations? It is about the sixteenth of an inch long and the thickness of a very fine needle.

MARY J. WALLACE.

I should judge by the description given of bug that mars the color of the petals of carnations, that it is a species of thrip. We have been troubled with the same thing at times in the summer when it was very hot and dry, but never at this season of the year. It would be a difficult matter to get rid of them now, after they have once got a good foothold, without destroying the flowers, as they are generally found down in the body of the flower before it is fully expanded. I would advise the lady to apply a light dose of sulphur and lime to one of the steam pipes and to keep an even temperature, avoiding a high, close temperature, and give ample ventilation on every favorable occasion; this, together with funnigating once in a while, may help to keep them in check.

#### Wood Ashes as a Fertilizer for Carnations.

ED. AM. FLORIST:—How would you use wood ashes as a fertilizer for carnations? What proportion, also what kind of ashes, leached or unleached, is best?

DILLON MYERS.

Unleached wood ashes is a good fertilizer for soils that are lacking in phosphoric acid and potash, and our experience with it is that it is best to mix it with the soil before filling the benches, using about 100 pounds to enough soil to fill a house 18x100, with benches five

inches deep, adding the ashes about a month or so before, giving it a chance to work through the soil. This has proven a sufficient quantity for our soil here, but as there is a great difference in the nature of various soils, it is a difficult matter to state any definite amount for general usage. It can also be used as a light top dressing for carnations, but should be used with caution until the nature of the soil is thoroughly understood, and must never be applied when the beds are in a very dry condition, or it is liable to burn the foliage.

#### Sleepy Helen Keller Carnations.

ED. AM. FLORIST:—What is the trouble with my Helen Keller carnations? They make a clean healthy growth and produce good stems, but fully three-fifths of the flowers go to sleep when about half developed. This is my first trial of this variety. Would say that Storm King in the same bench, with same soil, treatment, etc., is doing first-class. McGowan in next bench is very good. Have given all the plants a light top-dressing of fine soil and bone-meal. Night temperature 55°, in very dull weather a little lower. Could you kindly point out eause of my failure.

THE FOREMAN.

The gentleman is having the same trouble with Helen Keller that seems to be universal, and the variety has been disearded by a great many growers for this one reason more than anything else. It seems to get affected more in mid-winter during dark cloudy weather, hence it would appear only natural that it needs a warmer temperature than most varieties, the soil to be kept on the dry side. There are some varieties of carnations that develop their seed-producing parts before the flower has had a chance to to properly mature, and self fertilization is likely to occur, which may be the cause of Helen Keller going to sleep so quick, but I have not studied this one particular variety.

C. W. Johnson.

#### Rose Mrs. Pierpont Morgan.

For two years we grew a small a house of the rose heading this note. It was not a great favorite, for some unaccountable reason, with the city retail florists.

reason, with the city retail florists.
We do not encourage retail trade here on our own place, eatering exclusively to the wholesale trade. Some persons will drop in, however, occasionally wanting flowers, and because the dealers in Philadelphia did not take very kindly to Morgan, this was the rose offered to retail customers. So well did it please them that we secured orders for delivery at regular intervals-twice a week. In addition to its other good qualities it is an excellent keeper. These customers an excellent keeper. These customers frequently remarked that the flowers when three or four days old were still in good condition, and when the fresh ones were delivered the older ones were forwarded and presented with evident great pleasure to some less fortunate person who did not have flowers often. For this reason, if for no other, Mrs. Pierpont Morgan ought to be grown to a greater extent than it appears to be, especially in the smaller towns where a florist is a combination of grower and retailer.

This year we are growing Carnot in the house occupied by the "Morgan" for the two years previous, and at this writing the change does not appear to be a profitable one. We must wait until the 1st of July, however, before making up our mind thoroughly whether we erred or not by the change.

L.

#### Cut Flower Price Lists Received.

Ellis & Pollworth, Milwaukee; W. A. McFadden, Cincinnati; John Fay Kennell, Rochester, N. Y.; Holton & Hunkel Co., Milwankee: Illinois Cut Flower Co.,

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of lil cents a line (seven words) each insertion. Cash must accumpany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN PLORIST for the year 1861s entitled to a tive-line want adv. free to be used at any time during the year.

SITUATION WANTED By a dirst-class rose grower; 15 years' experience. Good references. Address D.W. care American Florist.

SITUATION WANTED-By competent grower in private or commercial place. Best of references. JOHNSON, 48 W. Huron St., Chicago.

SITUATION WANTED - By a competent store man, Siate with Freidman; reference given by Chicago wholesale florists R.A. care Am. Florist.

SITUATION WANTED—By young married man; S good grower; lu years experience; second man, large place. Address L.A. care Am. Florist.

OITUATION WANTED—By rose grower as foreman; expert in all leading varieties of cut roses, 'mums, carnations, etc.; plants, nums, palms,etc. O.S., care american Fiorist.

STITUATION WANTED—By A-1 general cuttlower grower; good decorator Recommendations furnished; German American; 30 years old. Address V.G., care American Florist.

CITUATION WANTED -A No. 1 grower of roses, carnations, 'mnms, etc.; sober and stendy, competent to take charge; prefer the west. Address N.N., care American Florist.

ITUATION WANTED-As assistant florist, single, age 25.7 years experience; sober and reliable. STUATOR ....
References. Address
1 H A. IIs Poinfret St., Carilsie, Pa.

OTTUATION WANTED—By an experienced gardener of and florist to take charge of private or commercial place; age is married. Best of references.

CHICAGO care American Florist.

SITUATION WANTED-By young man to learn the florist trade; suber and reliable; state terms.

Address W. C. GREGORY.

Box & Markham P. O., Ontarlo, Canada.

VITI'ATION WANTED—On dist-cl-ss commercial oline as rose grower, by young man, age 22. References are strictly first-class Please state particulars. Address.

PIERCE, one American Florist.

OFFICIATION WANTED—A competent seedsman wants situation with a reflatle seed house; can speak Futch, German or English; correspondence solleited. H. care American Florist.

SITUATION WANTED By experienced gardener and florist, German, to take full charge of private 37 and florist, German, to take full churke of private place. References. Al. Address, stating particulars, L.M. care. J. i. Schiller, 494 E. 44th St., New York.

SITUATION WANTED As foreman in first-class of establishment, specialities, roses, mums, carnations orchids etc. life experience; well up in other branches of the profession. C.O., care Am. Florist

STITATION WANTED By practical forfst age 10, German single good grower of cut flowers and German single good grower of cut flowers ar general bedding plants, good wages expected. Refe ences. Fiolics: Cleveland State Hospital, Ohio.

STITATION WANTED To take charge of nursery of first class private place. References, Europe and this country. Middle age, single; I years as foreman in last place. CARDENER, Glen View, JR.

STITATION WANTED By practical florist of 17 years experience good cut flower grower, roses, carrentions etc. Competent to take charge; would work on shares. Reference and bond given. Address REFIABLE care American Florist

STITATION WANTED As foreman on gentleman's pace near some bly city, gardener and florist, narried man, events old with small family, and best of freferences. Address with full particulars.

CAPABLE, care American Florist

STITATION WANTED As foreman by practical Cortal and grower specialty No. 1 roses earns there makes violete general stock etc., now discussing agest ages. Beet references Address. W. II. care 104 E. Main et. Allannes, O.

STIT ATTOS WANTED. By young man of good char acter cocommercial place in New England states towers experience or der flost class growers, capable taking clarge of bonses age 21. Good references Flow Will stric w Piessant wi Wakefield Mass

CITE ATION WANTED As foremen with some s) refined part) to a practical ground general atomic there whose a normer palms ferres and general atomic forcing of nulss as the experience references O Address
FOLOMAN Care American Floriat

who has devoted his lifetime to rose enture, well posted in our fit were designs and beingueta, able to take enture of any content of the content of the posted in the content of the cont

SITUATION WANTED—As manager of pork or private place; young German-American desires engagement; thoroughly experienced in all branches (an furnish best of references; married, family of two. Address RSL, care American Florist.

Oltruation wanted—a gardener experienced in propagating, culture of palms and terms foliage plants, roses, carnations, etc.; also in landscape gardening, botany and designing, would like a situation as foreman in a florist's establishment, park or college. Address CHR. Marken.

CHR. MARXEN, 76 Jefferson St., Battle Creek, Mich.

OlTUATION WANTED—By a landscape gardener and florist. German, married, 25 years old; 20 years' experience in flowers, vegetables, fruits, care of pleas ure grounds and bothouses; position in private park, cemetery or gentleman's place in city or country. Best of recommendations. Address II SCHERWAT, care American Florist.

CITUATION WANTED—By Scandinavian-American, 25, single, as foremun or manager; 10 years' experience to principal countries of Europe and U. S.; roves, carnations and orchids; 'mums, paims, terms, bedd'ng stuff, etc.; Al propagator; new running 25,000 feet of glass; California preferred.

NEW YORKER, care American Florist.

SITUATION WANTED—As foreman in cut thower setablishment, mostly roses and carnations: must be up to date in conveniences; by all-round man, single, American, nine years experience; don't use to-bacco or drink; west preferred; good wages expected, References. References.
240 Cottage Grove Ave., Des Moines. Ia.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, 'mums and general stock: life experience, married, age 30; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references. Address

ROSE GROWER, care American Florist.

SITUATION WANTED—As foreman in good dorlsts' setablishment; tirst-class rose grower, niso palms, ferns, carastions, 'mums, violets and general stock; or take charge of a gentleman's good private place; oyears' experience in England and America, strictly temperate; good wages expected; married; disengaged about March lat, Good references, Address GEORGE NORTON, ISI Center St., Bridgeport, Conn.

WANTED-The address of Carl Jorgensen, Dane, Amager. Address L. JENSEN, South Butte, Mont.

WANTED Single man for general greenhouse work. Address, stating wages desired, etc.
HUNTSMAN & (O., Clacinnati. O.

WANTED-Young man to take charge of florist business and take interest in business. Address NEW YORK, care American Florist:

WANTED-Prices on 16x24 double thick A ginss.
Also rooted petunia and rose cuttings. Address
W. T. HEMPSTEAD, Boomington, 111.

WANTED-Trade list and catalogues of plants, bulbs, seeds and nursery stock,
MRS. W. E. FULLERTON, Whitman, Mass.

WANTED-The address of H. C. Bucheler; send immediately to MRS. H. C. BUCHELER, Oconomowoc, Wis.

WANTED Three or four young Borists, good workers, at once, for steady work; state wages with board H, care American Florist.

WANTE 1-California and Russian violet runners in exchange for 1000 American Beauty rooted cuttings.

P. K., care American Florist.

WANTED-A good, steady man to do general green-house work: married man preferred. Apply to JACOK MEYER, Morton Grove, Ill.

WANTED-Reliable man for roses and general floral work: good pay for good work. Address J. T. WILLIAMSON, Prop. La Rose Gardens, P. O. Box E. Memphis, Tenn.

WANTED On a large wholesale place in the west, two young men who understand packing and fill-ing plant orders—Address—Packing Deitt, care American Florist

WANTED Gardeaer where only one man is kept; palms, ferms, etc., and especially orchids; private place, Chicago, lawn, lires, cow; single man preterred. Address—C. H. W., care American Florist.

WANTED Experienced florist for general green-house work and decorating: a married man pre-ferred. Must have good'r ferences. state wages ex-pected. A.B. Postmaster, Memphis, Tenn.

WANTED After March 10 single man, A No 1 roses, entinations "mains, violets and general stock; must give good references, German preferred; state wages with board Address 8 K.W. care American Florist

WANTED To rent, with privilege of buying, green-houses. (1991 to 1049) feet of glass, perfectly heated that water preferred, and plenty of water and good soll, near Philadelphia Address. W.N.L. Box 23 Lancaster Pa.

WANTED A German gardener single man who understands growing and planting of vegetables to the hand outdoors. Give references. Must not be alread of work, wages paid from \$15 to \$20 per month and board. K.S.W. care American Florist

WANTED Foreman on commercial place, Call forals, must be experienced in handling men; with a repositionable knowledge of propagating and growing both hashle and out-competent to take charge tood habits and best of references. Address Cymyytrox, care American Florist

WANTED-A competent man for cut flower de-partment and making up floral designs and bou-quet work; also one that understands decorating and general greenhouse work. Apply CHARLESTON GREENHOUTSES, 339 Meeting St., Charleston, S. C.

WANTED-Young man thoroughly experienced in the best class of retail itorist business; must be first-class in window, table and wedding decorations, also design work. Apply with references, ability, etc., stating wages expected.

J. H. Duwlor: 445 Yonge St., Toronto, Can.

WOR SALE—One Alaska refrigerator in first-class condition.

JOHN H. ORTH & Co., Mckeesport, Pa.

FOR SALE OR RENT—Greenhouse and cottage on C. & N. W. R. R., 35 miles from Chicago: will make easy terms on sale or low rent. E. W. UPHAM, Waukegan, III.

POR RENT-Seven greenhouses, stocked: dwelling and land, siemn beat; convenient for Baltimore wholesale market, and fair local trade. Address MARYLAND, care American Florist

FOR RENT—Greenhouse, 6 000 feet of glass on Main street: street cars pass the door; store and dwell-ing house connected with same place 835 per month, P. N. SOETGA, 1822 Cedar Ave.. Cleveland, 0.

FOR SALE-Greenhouse plant of 5,000 feet of glass in Jamestown, N. D.; price \$1,500; ½ cash, balance may be paid in cut flowers Address W. W. SEEKINS, 921 E 3rd St., Dulnth, Mion.

#### TO EXCHANGE

Cinerarias ready for 4-inch pots for Variegated Geraniums, Colens, Cyclamens, Verbenas, or five cents a piece, C. LAYER, Gilman, III.

#### FOR SALE.

A bargain never before offered: Five well-stocked greenhouses, brick dwelling, \$69 and acres land in the beautiful city of Oconomowoc. Poor health is the only cause for disposing of same.

MRS. H. C. BUCHELER, Oconomowoc, Wis.

#### WANTED.

Situation as grower or salesman in commercial establishment. Can furnish excellent recommendations. Eight years with Fred C. Becker. ANDREW.

45 Hancock St.. Cambridge, Mass

## WANTED

A large quantity of Boston Fern. State size and lowest cash price per thousand. Address . .

S J, care American Florist, Eastern Office, 67 Bromfield St., Boston, Mass.

#### FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars ELLIS & POLLWORTH, write Milwaukee, Wis.

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FOR any one who wishes to buy at a reasonable rate, a flower store located on one of our buys streets; don't apply un-less you mean business, address all communicutions to

Wm. F. Kasting, 495 Washington St., Buffalo, N.Y.

#### Situation Wanted.

A COMPETENT MANACER of thorough ability and over 20 years' practical experience desires a position to take earlier charge of private estate, purk or itsk-chase commercial place: an experienced cultivator or paine, orchids, itorists' stock in general, shrubbery, truli and vegetables; a good floral decorator. Thoroughly reliable, married, with small family. Good wages required. Address

FLORIST, care S. J. Nelson, 206 E. 28th St., New York,

Never Fail to say "saw your ad. in the Florist."

#### Chicago.

Trade continues good; much more business could be done if the stock could be got to do it with. Bridesmaid roses and all varieties of carnations are especially scarce; extra select Bridesmaids were sold this week for 15 cents. The demand exceeds the supply for all kinds of flowers, except bulb stock, which is in good supply and comparatively cheap. It is expected that trade will slack up a little at the beginning of Lent, and that stock will soon be sufficient for the demand. Carnations are not coming in very plentifully, and it is doubtful if there will be any surplus in the market for some time.

Geo. Swoboda, of Hess & Swoboda, Omaha, Neb., was in the city Monday on business; Mr. Swoboda reports business good in Omaha. Thefloriststhere expect a much better spring trade next season than usual on account of the Exposition next summer.

At the meeting of the Chicago Florists' Club Thursday night, the committee on the entertainment of the carnation society, reported that the bills for the entertainment as far as they knew had been paid, there might be a few small accounts still unsettled, and that there would be a fur-ther small expense of the committee but that they felt certain that they would have surplus funds left after all accounts were settled to be able to return to the donators 25% of the money. The committee received a vote of thanks from the club for the very efficient manner they had done their duty; all present were highly elated with the grand success of of the carnation society meeting and the financial report of the committee. The order of the evening was the reading of a paper on marketing cut flowers by J. T. Anthony. The paper was well received and favorably commented upon by all

Mr. C. E. Sevey, of Fort Wayne, Ind., is in the city on business connected with greenhouse insurance.

Mr. Evans, of the Quaker City Machine Works, is still here.
C. W. Ward, of Queens, N. V., left for

home Thursday night.

## Plumosus Nanus.

Strings 8 to 10 feet long, 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

MARINETTE, Wis,-Geo. Vetter expects to enlarge his floral gardens, and has purchased the Eggner property on State

## Wholesale Flower Markets

| CINCINNATI, Feb. 24.                                              |
|-------------------------------------------------------------------|
| Roses, Beauty select                                              |
|                                                                   |
| medlum                                                            |
|                                                                   |
| Didermands Juke 1.00                                              |
| Meteors 6065 8 00                                                 |
| " Peries                                                          |
| Carnations                                                        |
| " fancy                                                           |
| Valley 3 00                                                       |
| Pornana 0.000 v.00                                                |
| Romans 2 00@ 3.00                                                 |
| Narclssus                                                         |
| Daffodfls 4 00                                                    |
| Violets                                                           |
| Harristl                                                          |
| € allas \$,00@ 10 00                                              |
| Tulips 3.00@ 4 00                                                 |
| Smilax                                                            |
|                                                                   |
|                                                                   |
| Asparagus 50.00                                                   |
| St. Louis, Feb. 24.                                               |
| Roses, Beautles 5 00@35 00                                        |
| Meteors                                                           |
| Pridge Dridgemelds 2.002.10.00                                    |
| Brides, Bridesmaids 3 URA III.IN                                  |
| Peries                                                            |
| WOOTLOH 3 000 5 00                                                |
| La France                                                         |
| " Kalserine 3.00@10.00                                            |
| " Kalserine 3.00@10.00<br>Carnot 4.00@10.00                       |
| Carnations 2,50@ 5 00                                             |
|                                                                   |
| Violets, California                                               |
| " single                                                          |
| Valley 3 (0 a 4 00                                                |
| Harrisll                                                          |
| Callas                                                            |
| Tuffps 3 10 a 5.00                                                |
| Narcissus, Romans 2 00@ 3 00                                      |
| Smtlax                                                            |
| 54454                                                             |
| MILWAUKEE, Feb. 25.                                               |
| Roses, Beauty                                                     |
| " Brides, Bridesmalds 3 00@ 8 00                                  |
| " Perle, Belle                                                    |
| " Meteors 3 00@ 8 00                                              |
| Carnations. 1.50 a 3.00                                           |
|                                                                   |
| Violets                                                           |
|                                                                   |
| Vailey 3.00@ 4.00                                                 |
| Freeslas                                                          |
| Tulips, Hyacinths                                                 |
| Tulips, 11 yacinths. 2 000a 4.00 Von Sions, Jonquils. 2 000a 3 10 |
| Callas. Harrish                                                   |
| Smllax                                                            |
|                                                                   |
| BUFFALO, Feb. 24.                                                 |
| Roses, Beauties                                                   |
| " Brides, Bridesmaids, Meteors, 6 056 10 00                       |
| " Perles                                                          |
| " Niphetos 4 00@ 6 00                                             |
| " Kaiserin, Mermets 6.00@12.00                                    |
| Carpations extra                                                  |
| Carnations extra                                                  |
| v-1.50@ 2 50                                                      |
| Valley 3.00 a 4.00                                                |
| Violets 1 (10 a 2 00                                              |
| Romans                                                            |
| Romans 2.00@ 4.00<br>Harristi                                     |
| Smilax                                                            |
| Adlantum 1.25                                                     |
| Asparagus                                                         |
| Toheragas                                                         |
|                                                                   |

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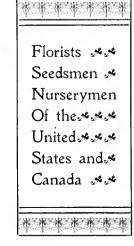
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| CHICAGO, Feb. 25.                            |
|----------------------------------------------|
| Roses. Beauties per doz. 2.00@6.00           |
| " Brides 1 (0)(a) 8 00                       |
| " Meteors, Bridesmald, Kalserin., 4,000 8,00 |
| " Perle. Gontlers 3,000a (i.0)               |
| " La France Testout 5.(00:10.00              |
| Carnations, common 2 00kg 3 00               |
| " fancy 2,60a 6 00                           |
| Violets50@ 1.00                              |
| Narcissus, Romans 2 000 3 00                 |
| Callas                                       |
| Harresti                                     |
| Valley 2,006a 3 00                           |
| Tollps 1 00 a 5.00                           |
| Von Sion                                     |
| livacioths                                   |
| Adlantum 1.00                                |
| Smilax                                       |
| Asparagus                                    |

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## E. C. AMLING. WHOLESALE

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Prompt attention to shipping orders.

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Albertini and Bridesmaid, \$2.00 per 100; Daybreak, \$1.50 per 100, Lizzie McGowan, Ivory, Lizzie Gilbert, Fred Dorner and Rose Queen, \$8.00 per 1000.

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## Wholesale Flower Markets

| Now work Eak 00                         |
|-----------------------------------------|
| NEW YORK, Feb 23                        |
| Roses, Beauty,                          |
| Dr des, Bridesmaid a com in co          |
| Teatout, Carnot 4 000212.00             |
| Morgan, Meteor                          |
| Carnations 1.00@ 2.00                   |
| " fancy                                 |
| Valley 1.00 & 4.00                      |
| Mignonette                              |
| Violeta                                 |
| Harristi                                |
| Tullps 1.50@ 3 0)                       |
| Smltax                                  |
| Cattleyas                               |
| Daffodits, Jouquils 1.00@ 3.00          |
| BOSTON, Feb. 23.                        |
| Roses Beauties                          |
| " Perle, Niphetos 2 00@ 4 00            |
| " Bride. Bridesmaid, Morgans 4 00@12 (0 |
| " Carnot Meteor 6.00@12 00              |
| Carnations, ordinary 1.50 2 2 50        |
| " fancy 3 00@ 4.00                      |
| Valley, Daffodils                       |
| Violeta35@ .75                          |
| Hyacinths, Narcisaus, Freesia           |
| Tuilps 2.00@ 3 00                       |
| •                                       |
| PHILADELPHIA Feb 27                     |
| Roses, Beauties, per dezen 3.00@8.00    |
| Teas, Dista                             |
| ae rect                                 |
| Carnationa                              |
| Valley 3 00@ 4.00                       |
| Violets                                 |
| Narcisaua 2.50@ 3.00                    |
| Hyacintha                               |
| 10 mm all 10 mm a 19 m                  |

## John I. Raynor,

49 WEST 28th STREET.

NEW YORK.

SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR,

**Record Breaking Carnations** ALL THE YEAR ROUND.

BRIDESMAID, BRIDE.

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FLORIS

39 West 28th Street. NEW YORK.

Roses shipped to all points. Price list on application.

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Will find a good market and good returns for their stock at...

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#### Paris.

Since my letter of January 14, the weather has changed very little around us. We continue to have a good deal of fog and rain, with scarcely any frost worthmentioning. The prevalence of the unseasonably mild weather induced our advance guards, snowdrops, ficarias, etc., to unfold their blossoms earlier than usual. It has been stated by our papers that in the central part of France a plum tree in the open ground was in full flower over a week ago. This is rather early as the tree may learn later on, to the detriment of its yield.

It one of the enclosed gardens at Dijon the hepaticas had, some time ago, their flower buds sufficiently developed to expand their nice blossoms before this date. Such an early flowering shows an advance of four to five weeks over the normal season, if we consider that in the district referred to, vegetation, besides snowdrops and ficarias, is very late in

starting.

Notwithstanding the mild weather we experience, the trees and shrubs stick to their dull wintry garb and the blossoms of the plum and cherry trees do not seem to be auxious to emerge from their winter coating. They have learned often enough that the atmospheric eccentricities at this time of the year are pretty dangerous and often convert the brightest prospect into utter failures.

At the meeting of the National Horticultural Society held on January 27 last, some plants of the curious Cyclamen Papilio were shown, which attracted the attention of all the florists. The committees awarded to this sensational cyclamen a first-class certificate with a high commendation. The great feature of the C. Papilio is that its petals are very handsomely fringed and so distinct from any other of its congeners, that were it not for the foliage few persons would take them for cyclamens. A florist next to me was right in saying that the flowers hore some resemblance to pinks or dianthus plumarius of the cyclop type, with their dark eyes in the center of the corollas and general characteristics of the

The Cyclamen Papilio is not entirely new, the first variety, of a fine red color, having been exhibited two years ago under the name of Brussel's Best, by Mr. De-Langlie Vervaene, at the meeting of the Casmo at Glient, when an award of merit was adjudged to it.

It is a sport from the Cyclamen Persicum giganteum, and a few flowers grown by Mr. Draps, florist at Lacken, Belgium, have been illustrated in the Illustration Hortnovetor 1896. How is it that no more interest was centered on it at the

May be because the introducer asked 30 cents (American money) for each seed without giving any guarantee as to growth or constancy. Since the above date of its introduction, Mr. DeLaughe has improved to a great extent, the new race and obtained several new colors, a mong which Pas e Partout, white, Elec tric (esc. On arbus, pink. He claims that the strain is very constant, that every cell langs he true type, but may vary a little en color

Cyclames Papilio is a most remarkable deporture from all the cyclamens known up to date and is destined to take a fore most position among pet plants. Cul-ture same as that of C. Persicum gigan teum. A colored plate of it will be pub fished in the next issue of the Moniteur d. Hortnullure

Flowers in pots are a drug just now on our market. Hyacinths retailing at 4 cents and the best at 8 cents apiece. How can the growers afford to pay for the bulbs and grow the plants at such figures without losing money? On our central cut flower market large sprays of almond flowers coming from around Toulouse are just now sold. Parisian.

TARRYTOWN, N. Y.—A legal fight is in progress between the village authorities and a number of property owners here over the payment of taxes assessed last year. Among the number is F. R. Pier son, who disputes the assessment on his greenhouses and land.

## Pedigree Cannas.

Our new Cannas. Rosemawr, Golden Pearl, Maiden's Blush, Duke and Duchess of Marl-borough Glorlosa, Sunset. Augusta, Baitl-nore, Philadesphia, Xc., are the very best. Write for list of new and standard varieties.

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FOR thirty-five years we have made a Specialty of the PETUNIA. This year we again offer a set of lifeten varieties, unsurpassed either in this country or abroad. The plants are well established in three-inch pots full of vigor and will furnish quantities of cuttings in a short time.

These plants must not be compared in price with rooted cuttings or plants just potted off. The set is composed of the linest colors, especially suited for the retail trade, \$1.00 per doz.; \$8.00 per 100. The set of 15 varieties for \$1.25.

Double Fringed Petunia Seed,

Double Fringed Petunia Seed, our own saving, 75 cents per 500 seeds; \$1.50 per 1000 seeds.

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#### Cleveland.

BUSINESS STEADY.—FLOWERS POPULAR ON ST. VALENTINE'S DAY.-RETURN OF THE DELEGATES FROM CHICAGO.-A VISIT TO DORNER & SONS' .- MILD WEATHER.

Business has been as usual with the demand about equal to the supply.

The use of flowers on St. Valentine's Day is increasing each year. This year there was a very marked increase in business over any preceding anniversary of the day. The demand was mostly for fine dainty flowers of all kinds, and many florists did a rushing business in flowers of that class. One or two remarked that it was "like a little Easter." A few more A few more similar days would go far to ease the financial burdens of many a florist.

Flowers continue to improve in quality and quantity. Roses are now very good indeed. Carnations also are getting better in stem and more are being offered. Bulb stuff is coming in first class shape without much waste so far.

Prices, wholesale and retail, have not materially varied from rates quoted for some time past, although the fact that Lent is now here, combined with the probable increase in supply, will almost certainly bring about a change shortly unless business should hold up in quite an unexpected way. Roses show some slight inclination toward a drop of about a cent, which would make good grades come at about 5 cents instead of 6, which has long been the going rate for good stuff.

The party of five, Messrs. 11art, Eadie, Graham, Smith and Pentecost, who left here to go the Carnation Exhibition, got back during the week and reported a most enjoyable time and a magnificent show of blooms.

A visit to Dorner & Sons' establishment at Lafayette, Ind., was a revelation as to the possibilities in carnation culture. Mr. Dorner was a most hospitable host as well as an instructive expositor in all mat-ters pertaining to his favorite specialty. A house of seedlings in full bloom was a sight not easily forgotten.

The winter of 1897-8 promises to go down into history as one of the mildest on record unless it takes a sudden and violent spurt very shortly. The weather so far has been almost phenomenal in point of high temperature, there having been only one very short spell of zero weather, and that of exceedingly short duration. Α.

#### Lenox, Mass.

The last regular meeting of the Lenox Horticultural Society was held on Saturday, February 19. Mr. Geo. H. Thompson presided. There was a good attendance, considering the condition of the roads. The chief event of the evening was a paper on orchids read by John E Lager. The essay was listened to with interest and pleasure by the members, Mr. Lager exhibited some exceedingly well grown cattleyas of beautiful form and color, which were much admired. There were also exhibited a splendid bunch of violets, Princess of Wales, by Mr. C. R. Russell (certificate); a vase of mignonette, Allen's Defiance, having extra large flower spikes, by Mr. A. J. Loveless (diploma); a well flowered plant of Cattleya Trianæ by Mr. Wm Griffin, and a vase of sixteen Brides and Bridesmaids by Mr. Geo. H. Thompson for which he was awarded a diploma. These roses had remarkable fine stem and foliage supporting large flowers of good substance. E.

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Belgian Strain, per 100. . \$2 00 English Strain, per 100. 4 00 The English Strain of Bego-nias are rich in color and large in bloom.

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MOUNT GREENWOOD, ILL

MOUNT GREENWOOD, ILL

MR. FRED BREITMEYER,
Mt. Clemens, Mich...

DEAR SUR:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted callyx the whole season; it is a little weak in the stein, but we lay that to the poor place in which it is growing also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care.

Yours truly. C. W. JOHNSON.

H. DALE, Cut Flower Grower, Brampton, Ontario.

MESSRS, J. BREITMEYER & SONS,
Mt. Clemens, Mich.,
Gents:—The plants of Cerise Queen which you sent me hast spring for trial have done well; the tlower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year.
Your truly, H. DALE.

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Gents: —We have a few plants of your No. 16. Cerise Queen, on trial; the flower is medium size, but fine color, in fact the only fault we find is its dwarf habit; we should like to grow some for side benches, as we believe it far superior to Tidal Wave for that purpose, and should make a commercial variety, but not high priced. —Please give us your best price on 1000 roated cuttings.

Very truly yours.

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DETROIT, MICH.

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Mt. Clemens, Mich..
DEARSIRS:-In reply to yours asking as to my success with your No. 16. Certse Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.

Yours, GEO, A. RACKHAM.

We predict CERISE QUEEN is the coming Dark Pink Commercial Carnation. Orders booked and filled in rotation. Price, \$2 per doz.; \$10 per 100; \$75 per 1000.

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#### Yard Culture of Roses.

There are three important things to be considered to be successful with the cultivation of out-door roses: First, a suitable location; second, suitable soil, and able location; second, suitable soil, and last, but not least, suitable varieties. I know of many persons who go to the woods to get light soil from old tree stumps which they use for preparing a bed for roses, and, after planting their roses in this soil and watering them carefully, feel discouraged that they do not make a strong growth.

In order to grow roses in the yard the first important thing is a good open exposure, if thirty or forty feet away from large trees so much the better. vellow, rather heavy fibrous loam with good drainage is considered the ideal soil for roses. Spread two or three inches of well-rotted cow manure over the bed, thoroughly mix same to the depth of one foot or a triffe over. A bed prepared in this manner should grow first class roses; if your soil is a hard, sticky clay it should be removed to the depth of fifteen inches and replaced with soil such as the above.

I have often been asked the best varieties for outdoor culture, and if I was to be confined to but three varieties. I should plant Clothilde Soupert, Mme. Caroline Testout and Kaiserin Augusta Victoria; these are three gems of the first water. perfectly hardy here, good growers and of good color. I do not wish to convey the idea that these three varieties are the only sorts we should grow as there are many handsome and satisfactory kinds which should be in every collection. I will name twelve of the varieties which have given the most satisfaction here: Clothilde Soupert, pink shading to white; Mme. C. Testout, clear pink; Kaiserin Augusta Victoria, white shading to light yellow in center; Meteor, velvety erimson; Belle Siebrecht, rosy pink; American Beauty, deep rose; La France, pink; Champion of the World, rosy pink; Mignonette, very dwart, carmine pink; Wootton, light red; Mine, de Watteville, white with pink shadings, very beautiful; Souv. de la Malmaison, flesh color.

These varieties are all hardy in this vicinity, (except Mine, de Watteville) if planted in a well drained soil; a light covering of manure, mostly straw, thrown carelessly over the plants late in fall will be beneficial. In a later issue I will give my views on summer treatment of yard W. W. Colles. or outdoor roses.

Indiana

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Size 40x76 inches, 50 cents each. 76x76 ... 75 ... ...

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No. 2 Duck Cloth outside, filled and quilted

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J. C. McCullough, Cincinnati, reports trade as being fully up to his expectations.

MR. LEM BOWEN, of D. M. Ferry & Co., spent a few days last week with relatives in Chicago; he reports 1898 trade quite satisfactory and outlook good.

THE Atlantic Coast Canners Association closed a successful meeting at "The Genesee," Buffalo, the last week. Representatives from nearly all wholesale seed houses were in attendance.

Newburgh, N. Y.—The annual meeting of the Hudson Valley Horticultural Society was held here on February 3 and 4. One of the most important acts was the vote to change the name of the organization to the Eastern New York Horticultural Society. The papers and discussions were confined to subjects of interest to fruit growers, mainly, but on Thursday evening Prof. Van Brunt gave a beautiful stereopticon exhibition of "Oldfashioned garden flowers."

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JOBBERS IN SEEDS.

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#### Helpful Reminders.

Anything which is naturally dormant in the winter, that you will have use for at Easter, should be in growing position now, there is no time to spare; all bulbs which are rooted, shrubs which have been potted, lilies which show the little buds, and the various special stock which you desire for that date should be in such houses as you can best regulate. The temperature should be held steady. Particular care should be taken to have good fires on from 2 to 6 a.m. daily; that is the time of day to which most failures are charged, fires go down, and the delicate growths are damaged; and from 8 to 12 a. m. take special care of watering: your crops will not be a success unless you are most careful to comply with these two suggestions. There is not the danger of over firing now that there was in December; you may run it up if you can keep it there, but do not let temperature have a wide range. As soon as pots become fairly well filled with roots, and foliage is abundant, increase supply of water and keep sheep manure or some other good tertilizer in your barrels.

Your adiantums are starting now; elean off all the old fronds, fill in all cracks, if there be any in bed, with fresh soil; give them a top dressing, and put some sphagnum moss around any root that may be bare of old fronds; be careful that they are kept watered at the under side or the bottom. Wet the ground under heating pipes thoroughly so as to insure a constant vapor with the heat rising from the pipes to under side of bench.

Hybrid perpetual roses should be coming out in leaf now; attend closely to watering; don't syringe unless you are sure to have it fully as warm or warmer for two or three hours after. To syringe young foliage while the temperature is on the decline is dangerous.

Don't drag long pieces of hose around; iron pipes costs about one fifth as much as hose, lay it to all convenient points and carry twenty five feet of hose easily and attach it to the different cocks; it is cheapest and much less labor. C. B. W.

#### Diseased Rose Foliage.

Replying to the inquiry of "Subscriber," Lawrence, Kan., in regard to the rose tolloge received by mail. I think he hardly realizes how difficult it is with the meagre details turnished, and a few dried up leaves, to make any satisfactory reply. The rose grower is generally far too busy, at least I am, to spare the time needed to give such specimen a micro-scopic examination, and in order that I may arrive at any definite conclusion with regard to diseased plants it is important that a whole plant, stem,

roots tolinge, soil and all be lurnished.

I judge the tolinge in question to be that of American Beauty. I have several times seen leaves of this variety similarly affected. The trouble may spring from a variety of causes and whether or not the places safter in homeonsequence will depend largely on the cause itself. Some times malching the benches with power to be above or applying a top dressing of wood as less or bone meal, will cause all the lease of the waver part of the plants to turn by which shridly and fall, in such instances I think there has been an ir terference with the regular flow of sap, either a quickering or the reverse. Thave never been able to determine which. The orly result will be the loss of a certain amount of the old toliage of care is taken to keep the surface of the benches clean, and the scalar accordation temppropriate

the full benefit of contact with sunlight and air.

I would advise "Subscriber" around some of the poorest looking plants and examine the roots very critically, to make sure that there is no eel worm at work; if the search is negative, the plants should speedily recover and be very little worse for the ordeal through which they have passed.

ROBT. SIMPSON.

Paterson, N. J.—J. M. Hunter, of Hempstead, N. Y., has been appointed superintendent of Paterson parks.

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| 7-9 meh.                     |              |       |     | 1.75 | -10,00                                  |
| 9-11 inch.                   |              |       |     | 6.75 | 60,00                                   |
| LILIUM ALBUM                 | (Spec        |       |     | 6.50 | 55,00                                   |
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| BEGONIAS<br>Single, separate | TUBE<br>ROOT | ED.   |     | 3.50 | 30.00                                   |
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#### Canadian Horticultural Association.

REPORT OF MEETING HELD IN ST. GEORGE'S HALL, TORONTO, FEBRUARY 10.

The minutes of the meeting held in November last, for the purpose of drafting a constitution and code of by-laws for final discussion and adoption, were

read and passed.

The president pro tem, Mr. W. Gammage, of London, then briefly laid the objects and aims of the meeting before those present: He opened his address with a grateful acknowledgment of the work accomplished by the Society of American Florists, and no less by the trade papers in forwarding and uplifting commercial horticultural interests in America. He referred to the simple and apparently insignificant commencement of the S. A. F., the remarkable strides it has made in the past thirteen years and predicted a proportionately large increase in the interest in and value of the commercial interests in Canada. The need of an organization such as the one proposed for Canada was obvious, and while he hoped nothing would be done to form a combine in the matter of prices or of labor, the best commercial interests of the trade could be best safeguarded by such an organization.

A grant he thought could be secured from the government to aid in the exhibitions to be held by the association. Another subject well worthy of attention was the credit system which should be thoroughly threshed out and some agreement arrived at as to what limit should be set and to whom the trade will extend

credit.

At the conventions the first matter should be business—entertainment, after business was completed.

The secretary protein read the minutes of the last meeting, which were received

and adopted.

The subject of the constitution was next taken up, and each article discussed. The changes made in the draft being so slight as not to require mention. The following officers were then elected: Wm. Gammage, London, president; F. G. Foster, Hamilton, vice-president; Jos. Bennett, Montreal, second vice-president; Hugh C. McLean, St. Thomas, secretary; John H. Dunlop, Toronto, treasurer; E. H. Carter, Toronto, vice-president for Ontario; Jos. Bennett, Montreal, vice-president for Quebec; Jas. H. Harris, Halifax, vice-president for Nova Scotia. Executive board elected for one year: A. H. Ewing, Toronto; Walter Muston, Toronto; Orlando Johnston, Kingston. Elected for two years: Harry Bale, Brampton; Chas. Serim, Ottawa; Geo. W. Mills, Toronto. Elected for three years: Thos. Manton, Toronto; Fred Mitchell, Innerkip; H. H. Groff, Simcoe.

The place of first convention was decided on as Toronto, during the second week of the Industrial Fair in September.

The secretary was instructed to have the constitution and by-laws as amended, printed and sent to the members of the association. Also to write the editor of the Florist for the kind wishes expressed in his letter to the association. The meeting then adjourned. Hugh C. McLean.

MR. NIEMEYER'S CARNATIONS.—In our report of exhibits at the American Carnation Society Convention the carnations Pluto, Uncle Sam and Goliath were erroneously stated to have been exhibited by Mr. Chas. S. Baker. They were shown by Mr. Henry A. Niemeyer, of Erie, Pa., who also exhibited Snow Queen, white, and Rob Roy light red.



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#### How to Build Rose Houses.

ED. AM. FLORIST:-Will you kindly inform me how to build two rose houses on a lot which is 60x240 feet, twelve foot drop in the 240 foot slope to the south? I would like to know the length of bars, the height of walls, and how the benches should be arranged for growing roses; and how high should they stand from the ground, and what varieties of roses grow best together in the same house?

SUBSCRIBER.

To build two rose houses on such a lot as above described, and get houses the best suitable for growing roses would be very difficult matter unless they were simply short houses which could be built across the short way of the lot; these of course could only be forty-eight to fifty feet long, as I presume there would have to be a drive-way left at one end.

But judging from "Subscriber's" question he wants to build his houses running from south to north; in that case I should advise him to build them equal span sixteen feet wide from face of post, leaving a walk two feet wide on each side and a center walk two feet wide. This will give him two benches five feet wide each; these if two feet six inches above the ground level make it very easy to work from all points without any board walks what-ever in the houses; but the greatest difficulty to overcome in his case is the elevation of his ground at the north end. 'Subscriber" does not mention how much he wishes to cover either in length or width, so that one cannot form any idea of his wants, but can only give approximate figures. Presuming that he would want to have the houses each 150 feet long, he would have a rise of one toot in twenty, or a total of seven feet six inches 150. To heat this satisfactorily he will have to place his boiler or boilers at the south end.

For such houses as given above they should stand five feet out of the ground, running on an even grade from the lowest point to the highest, and all on a level erossways of the houses, and should have at least sixteen feet between them to give all the light possible. Set the first row of posts solidly in the ground as near the tence on one side of the lot as is safe, then set those for the other side of same house exactly sixteen feet from face of these. The sides when finished should be five teet, the bars for roof nine feet six inches long, this will give a good pitch to same. The benches should be about two feet six inches from grade level. The heating pipes should have the flows next to the onter walls and the returns under the benches somewhat distributed, as it will be a very difficult matter to keep the high end of these houses at an even temperature with the lower, and I should advise continuous run of ventilators so that the whole or any part of it could be always under control as desired. Such houses would be better for two rows of light (rot over one meh) columns, one on either side about four or four feet six mehes from the ridge, with same size pipe for purios strapped rightly to each har this will keep the root perfectly rigid at Il times faithermore, the bars should be

is light a possible, not over two inches deep cone and one tourth inches wide, and hould advise glass staten inches

with to give all the light possible, the hours being placed it, disadvantage for lear and gill. It such houses any or all the belowing a metics can be grown

the to locency are tess can be grown together, Brule Budesmand Mine Hoste,

Perle Abotton Morgans, Pres Carnot,

American Beauty, Clara Watson, Caroline Testout, etc., etc.

llouses longer or shorter can of course be made on the same principle.

JOHN N. MAY.

PARKERSBURG, W. VA.—The wife of G. A. Nichle, the florist, died on Sunday evening, February 13, aged 50 years.



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| 1'                                   | er 100 |
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| Alternanthera, Yellow, \$1.50; Red\$ | 2.00   |
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M<sup>OST</sup> magnificent beguns and a palm in beauty plant known. Liquid to a palm in beauty and manner of growth, grows with the ease of the Bicings and endures drought with imaginity. Plants from Ein Tots set out June 1st attained a height of 10 feet and though not watered once, remarged fresh ctel agreement throughout the extreme drought All a produces a delicious fruit as easily grown as clonate. Cor plants are propagated from a free which has produced this winter 192 lbs. of fruit, the the tweeping 12 lbs. Send for hulf-tone illo tration from plada slawing hed of these plants. I say florist needs it. Price \$2.25 per 12 or 3 in pot ready May 1st. We tre headquaror trajacul prants - Send for list

## Martin Benson,

ILLINOIS.

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Do not order any ferns unless you are willing to pay this price as my stock is very limited and I have hardly enough now to carry my old stand-by customers to Easter.

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Single, separate enlors Bouble, Gloviums, mixed

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J. L SCHILLER, 404 E. 34th St., New York. Side Agent for Louis van Orleische, Ghent.

## Dwarf Herbaceous Perennials for Edge of Border.

ED. AM. FLORIST:-Will you kindly inform me, through the columns of your paper, what you consider a few of the best hardy herbaceous perennials to use around flower beds in place of sods; something that will stand 20° to 25 below zero, and at the same time not be very tall.

Leominster, Mass.

Your correspondent does not give any information in regard to soil or situation, which are important items in estimating the hardiness of species, so I can only name a few that generally do well in his latitude.

There are a dozen or more genera that furnish us with low dense growing, but

still manageable plants, for such uses.
As one of the best in every respect I should take Phlox subulata, which gives, in addition to its mat of perennial green, a sheet of bloom in the spring. Of this there are several good varieties varying in color from pink to white. A little taller are P. amœna, P. ovata and P. reptans.

The genus Dianthus gives us some very desirable border plants; the dwarfest of which is D. deltoides, a lovely little thing which makes a low dense mat of foliage, and is literally covered with a mass of small rose or white blooms for several months. Then there is the old "sweet May pink" which used to be so common as an edging the old-fashioned New England gardens. D. cæsins, D. cruentis, D. dentosus, and D. petræus are all good and all hardy with us on well drained ground. Of the taller growing species there are several. The pinks nearly all have the advantage of being evergreen, and so are of value in winter as well as in summer.

Campanula Carpathica makes a very neat plant for edges and is beautiful in both leaf and flower.

The dwarf irises are excellent plants for the purpose; for instance I. cristata and I. pumila. Some of the taller ones like 1. Ĝermanica are admirable. Some of the yarrows are useful, too; the red flowered form of the European A. Millefolium, the yellow flowered A. tomentosa and others. And then we have the sedums in half a And then we have the sedums in half a dozen or more species, thrifts, arabis, Saponaria ocymoides, aubrietias, Crucianella stylosa, which is very good, several low-growing veronicas and the cotyledons, such as C. tectorum, C. Ruthenicum, C. sempervivum and C. Verlotti.

JOHN F. COWELL.

Botanie Garden, Buffalo.

#### Florists Win a Victory.

The commissioners favor the bill now before the House to prohibit the sale of flowers from government greenhouses. They reported to Chairman Babcock to this effect. The verdict by the commissioners is considered a victory by the florists, although they are not entirely satisfied.

| <b>Rooted Carnation</b> | Cuttings,    | Pure, H  | ealthy,     |
|-------------------------|--------------|----------|-------------|
| Daybreak                |              | per      | 100, \$1.09 |
| Alaska                  |              |          | 1 00        |
| Lizzie McGowan          |              |          | 1 00        |
| Albertini               |              |          | 1.50        |
| Jubilee                 |              |          | 1.50        |
| Della Fox               |              | 41       | 1 (21)      |
| Ivory                   |              | "        | 1.00        |
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| Well packed and         | delivered at | American | Express     |
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#### 50.000 ROOTED GUTTINGS

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Rose Queen, \$1,25 per 100, or \$10.00 per 1000; Juhilee, \$2.50 per 100, or \$20.00 per 1000; H. Keller, W. Scott, Tbos. Cartledge, \$1.00 per 100, or \$7.50 per 1000; Electronic Miller, \$2.50 per 100, or \$5.50 per 1000; Hardson's White, Eldorado \$2.00 per 100 or \$5.50 per 1000; Hardson's White, Eldorado \$2.00 per 100 or \$5.00 per 1000; CHRYSANTHEMUMS

Two-Inch pots

Major Bonnaffon, \$3.00 per 100 or \$20.00 per 1000; The Queen, Plnk Ivory, \$3.00 per 100, \$20.00 per 1000; President Smith, Eda Prass, \$2.00 per 100, or \$15.00 per 1000.

VIOLETS

Warle Louise \$6.00 per 1000. Double Alysaum. 2-inch
reference.

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#### 50,000 Flat-Grown GARNATIONS

| STRONC STOCK. per 100                |                |
|--------------------------------------|----------------|
| Daybreak \$2.00                      | <b>\$15 00</b> |
| Scot1 2 00                           | 15 00          |
| Roae Queen 2 (0)                     | 15 00          |
| Tidal Wave 150                       | 12.00          |
| Portia                               | 12 00          |
| Rob Roy (new) 10 00                  |                |
| Jubilee 3 00                         |                |
| Snow Queen 10 00                     |                |
| Silver Spray                         | 12.00          |
| L. McGowan                           | 12.00          |
| Eldorado. Meteor                     | 14100          |
| Flora Hill 5 00                      |                |
| Triumph, Armazindy                   |                |
| Pluto, new, and Uncle Sam, new, both |                |
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Cash with order. HENRY A NIEMEYER, Erie, Pa.

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## Areca Lutescens

| 3 p | lants, | , 4-in. | pot, | <b>12</b> to | 15-in. | high | , pei | 100   | \$  | 20 00       |
|-----|--------|---------|------|--------------|--------|------|-------|-------|-----|-------------|
| 3   | 41     | 5-in.   | 44   | 15 to        | 18-in. | 4.4  | **    | **    |     | 40 00       |
| 3   | 46     | 6-in.   | **   | 24 to        | 32-in. | "    | eac   | h     |     | 1.00        |
| 3   | 4.6    | 7-in.   | 66   | 32 to        | 36-in. | " 1  | ery   | bus'y | ea. | 1.50        |
| 3   | **     | 8-in.   | 44   | 36 to        | 42 in. |      | 4.6   | **    |     | 2 00        |
| 3   | 4.4    | 8 in.   | **   | 42 to        | 48-in. | 44   | 4.4   | **    | 64  | <b>2</b> 50 |
| 1   | 44     | 10 in.  | **   | 4 t€         | 5-1t.  | 44   | 44    | * 6   | 44  | 5 00        |

## Latania Borbonica

| 2½-in. | pot,  | 3 | 10   | 4 leaves, | per  | 100,  | 11: | per  | 1000 | 35.00 |
|--------|-------|---|------|-----------|------|-------|-----|------|------|-------|
| 3-in.  | 44    | 4 | to   | 5 "       |      | 4.4   | s;  |      | 4.4  | 70 00 |
| 4-in.  | 44    | 4 | to   | 5 "       | 44   | **    | 20  | .00  |      |       |
| 6-in.  | 44    | 5 | to ( | 5 "       | 18 t | o 20- | in. | high | and  |       |
| •      | wide. |   |      |           |      |       |     |      |      | .75   |

## Cocos Weddeliana

1 plant, 5-in, pot, 25 inches high, each.....

## Kentia Belmoreana

2½-in. pot, 3 leaves, 8 to 10-in. high, per 100... 14 00 3-in pot, 4 to 5 " 10 to 12-in, " " " ... 20.00 5-in. pot, 5 to 6 " 18 to 20-in. " each...... 1 (0

## Kentia Forsteriana

5-in. pot, 4 to 5 leaves, 24 to 30 in. high, each, 1.00 6 in, pot, 4 to 5 leaves, 30 to 36-in, high, each, 1.25

## JOSEPH HEACOCK,

Mention the American Florist.

WYNCOTE, NEAR PHILADELPHIA, PA.

#### The Growing of Mushrooms.

The preparation of material and selection of good spawn are the two essentials necessary to a good crop. The growers around Kennett Square have to depend on city stables for good fresh horse manure, which is obtained by the carload, commencing early in October. This is turned three or four times to sweeten up and allow the violent heat to escape before putting under the benches of our carnation houses. Some growers use about one-fifth loam mixed with the manure, a little at each turning, but equally as good results are obtained without this extra bother. Both systems have their advocates about equally divided, with the chances of success or failure nearly the same.

The manure is thoroughly pounded down, and when the beds are completed, they are about eight to ten inches deep. These are allowed to remain in this state until the thermometer falls to 90°, and are then spawned.

A brick of spawn is cut in twelve pieces, which are inserted nine inches apart each way, about one to ten inches below the surface. Some growers case at once with two inches of any good soil; others wait ten or twelve days, or until the spawn can be seen running in the manure. After casing, the beds are usually covered with a light sprinkle of hay or straw, to prevent them drying out too much. Nothing further is done until crop commences to show, which often varies considerably; sometimes in four weeks, sometimes not

until eight weeks, when a thorough watering (warmed to 80° or 90°) is given, after which water should only be given when beds are dry.

The mushrooms are picked just as they are about to unfold, packed in four pound baskets and shipped every day to

our near markets. They must be handled quickly when ready, and are generally consigned to commission produce dealers. The crop when growing requires constant care in keeping beds cleaned of old roots, and seeing that the proper moisture is WM. SWAYNE. retained.

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Premium-5 Red Wave with every 100 Kathleen Pantlind.

## Is a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Vaughan, McKeller & Winterson's every Wednesday and Saturday. HOPP

Paul P. O., E. GRAND RAPIDS, MICH.

A RUST PROOF CARNATION FOR BUSINESS.

Bright searlet and POSITIVELY RUST PROOF. As productive as Scott. Rooted-Cuttings Feb. 15th, \$10 per 100, \$75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of '98, fifteen varieties of '97 and older standard sorts.

GEO. HANCOCK & SON,

GRAND MAYEN, MICH.

will be paid for any RUST found in our Carnations.

McDONALD & STEELE, 109 S. Washington St., Crawfordsville, Ind.

New Carnation

Wins Certificate at Chicago. delay your orders and get left.....

Cuttings from sand, \$2.00 per doz.; \$10 per 100; \$75 per 1000.

Twenty-five (\$25) dollars will be offered for the best 50 blooms at November Show held in Chicago.

STOLLERY BROS., ARGYLE PARK.

## Do Not Buy Carnation Cuttings FLORA HILL.....

At a less price than it costs to grow them and expect good stock. Our prices are

as low as good stock can be sold for.

Gold Nuvget **Empress** \$ 200 per doz. Mrs. Frances Joost. 10.00 per 100 Wellesly ..... 75 00 per 1000. Conen Shell . Psyche Jubilee 3 50 per 100, 30 00 per 1000 Eldorado ...... \$ 2.00 per 100 Meteor 15,00 per 1000 Bridesmaid

| C A Dana              | I                                 |  |
|-----------------------|-----------------------------------|--|
| Nivea<br>Edith Foster | \$ 3.00 per 100<br>25.00 per 1000 |  |

Alaska ..... \$ 1.50 per 100 Scott ..... 1200 per 1000 McGowan..... Triumph ..... Mrs McBurney..... \$ 2.50 per 100 H. Keller ..... 20 to per 1000 Armazindy.....

## H. F. LITTLEFIELD, Worcester, Mass.

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. \* Surpasses Wm. Scott.

R. WITTERSTAETTER, Sedamsville, O.

#### Fern Notes.

Osmundas. All of this family may be recommended as being very useful for decorations, the only drawback being that they take a long time to make plants of any size, and with the exception of O. palustris they are deciduous; besides being evergreen, this is also one of the handsomest ferns we have. It is grown to some extent for market work, and is found very useful either in a small state, or when grown on into larger specimens. It is of light and graceful habit, the young fronds prettily tinted with bronzy red. The North American O. gracilis (spectabilis of some) somewhat resembles palustris but is deciduous, it is also of more spreading liabit. I have seen two distinct varieties, one with quite pale green fronds the other having a dark bronzy shade. Our native royal fern, O. regalis makes a fine plant when well established, it is also useful in a small state, some of our growers go in for it extensively, chiefly for selling in 2½ or 3-inch pots. The soft pale green being a nice contrast to most other ferns.

As I have previously stated, the osmundas are very slow, they are also very uncertain about the time of making their first fronds, sometimes remaining some months in the prothallia stage. It is not difficult to distinguish them before they make their first frond, the prothallia being large and very distinct in appearance. I should mention that to ensure saving good spores, they must be taken while the capsules appear green; the true spores are of a dark green color, and drop out before they have the appearance of being ripe, consequently it often happens that only the brown capsules, which rub off in a dust-like powder are sown, hence

O. cinnamonea, and O. Claytoniana are both handsome ferns, but I have not yet succeeded in raising seedlings, and should be glad to hear if any difficulty is experienced in raising these in America. It may be that I have failed through not being able to get perfectly developed spores. I find with some of the tree ferns that spores taken from comparatively young plants grown in a close atmosphere will invariably fail, while there is little difficulty in raising seedlings from spores collected from more matured specimens, which have been growing in a dry, airy position. I believe this also applies to many other ferns. I might refer to the beautiful Onychium auratum. I once received quite a small portion of a fertile frond from India and from this I raised quite a nice batch of seedlings, but I have rarely succeeded so well since, though I have had what appeared good spores in great abundance. In Onychium Japonicum, it is quite the reverse, for spores are never very plentiful, though they rarely fail to germinate. I have had other instances of failure from what, to all appearances, were good spores. Of course failure often occurs through some fault in treatment, but where after repeated trials, failure follows, with one particular sort, while all others under the same conditions succeed, it can hardly be the treatment that A. Hemsley. is at tault.

## Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS, - Oakland, Md.

## NEW GARNATION

## "Mrs.S.A. Northway"

A soft shell pink, developing to nearly pure white.

#### OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation....

PRICE: PER 100. \$10.00. \$75.00.

#### R

## Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 214-inch pots, \$5.00 per 100 \*\*\* \*\* ROOTED CUTTINGS, \$3.00 per 100; \$25.00 per 1000. Net cash. \*\*\*

#### GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2½-in. pots, named. \$25 per 1000; unnamed. \$20 per 1000. \*\*
ROOTED CUTTING, \$12.50 per 1000.
Net cash. \*\*\*\*\*

## Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100.

#### W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Oueen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

#### "Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower. It is free from rust or disease. It is a profuse bloomer.

It has exeedingly strong stiff stems.

It is of exquisite form full and double.

The flower is high built, petals serrated.

The calyx does not burst.

It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants.

SEND FOR IT,

## W. P. SIMMONS & CO., Geneva, Ohio.

A carnation that anyone can grow.

The New Commercial White GENESEE.

A year ahead of 1898 competitors.

Offered strictly on tested merits.

You are not asked to rely on speculative ideas as to probable future success But instead, we give you FACTS from SEVEN RELIABLE GROWERS who tested it in the past season in so many sections of this great country of ours.

All about it, with prices, in our handsome 12 page illustrated circular FREE.

DAN'L B. LONG, Sales Agent, BUFFALO.

## SOUTH PARK FLORAL CO., New Castle, Ind.

American Carnation Society
WE GOT FIRST PRIZES ON .... W NOT SO NEW # # # # #

ALBERTINI HELEN KELLER AND ALASKA

as some, but the flowers were so fine they attracted a great deal of attention.

We have very fine rooted cuttings of the above for sale. Write for prices on them and other varieties, & & &

#### Purplish Pink Geranium.

ED. AM. FLORIST:-Can you or any of your readers tell me the name of a double geranium which is very common in the Cleveland market, and described as a 'purplish pink?" SUBSCRIBER.

The question is too indefinite, as the conception of color varies too much to convey any accurate impression as to what is meant by purplish pink. It might be anything between Emil Girardin and Dr. Kirtland, and would include some salmon pinks when grown outdoors. Bailey's Pink, a new one of local origin and darker than Girardin, might possibly be the one meant, although in the absence of any specimen of the flower one cannot be at all certain. Арам Сканам.

Cleveland.

#### Not Puritan.

ED. AM. FLORIST:—I see by your last issue there is quite a belief that the carnation Harrison's White is believed to be the Puritan. I say it is not the Puritan but a sport from Wm. Scott. Mr. Woods also stated that it was not be the light and the content of the light and th the Puritan, and he was the originator of the Puritan. The same day that Mr. Woods was here Mr. Ward was here also. I showed Mr. Ward a plant that I had photographed, and he said that if he had seen that plant before he formed his opinion, he would never have come to the conclusion that it was the Puritan. I believe there were some blooms analyzed. As far as I heard they proved to be identical in many respects with Scott.

John Harrison.

## CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Em-press (Swayne), Evelina (Witterstaetter), Fire-fly (Hancock), Pyche (Hill), Painted Lady (Hill), and Mrs. S. A. Northway Simmons). All good 1897 novelties and other standard varieties at reasonable prices.

#### New Chrysanthemums.

MRS, C. M. PEIRCE—Yellow.

3bc each, \$3.50 per doz., \$25.00 per 100,
SNOW QUEEN—White

4c each \$5.00 per doz., \$35.00 per 100,
MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100,

Send for Descriptive Price List Ready January, 1808.

F. DORNER & SONS CO. EAFAYETTE, IND.

NEW CARNATION....

The argument bright r h r

## Empress

Send for price list of above.

WM. SWAYNE, Box 226, Kennett Square, Pa.

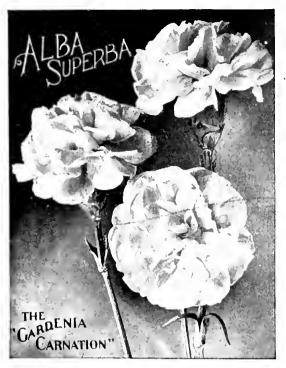
#### TELEGRAPH CODE

AM. SEED TRADE ASSOCIATION

\*M.OO,

Азывное опыкае то

AMERICAN FLORIST CO., CHICAGO.



Send for circular with description and photos showing the beanties of this grand white.

# Suderba

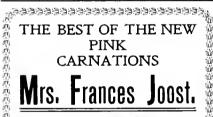
You will find upon trial to be an all round good carnation, with the qualities required in a money-maker. It is pure white. Never bursts its Calyx. Good size. Free and perpetual bloomer, and in length and strength of st.m has no superior.

Plants Ready March 1st. \$10.00 per 100 \$60.00 per 1000

A. R. St.

## John Burton

PHILA., PENNA.



A WINNER EVERYWHERE.

\$2.00 per dozen; \$10.00 per 100; \$75.00 per 1000. Cash with order.

C. BESOLD, Mineola, L. I., N. Y.

, Keekeeeeeeeeeeeeeeeee

# Experiences ... WITH ... CARNATIONS The next number ready March I, will be cultural as we'l as descriptive, and sent Iree to all applicants. I Guarantee all cuttings sent out and ofter a Special Guarantee to all buyers of Flora Hill and Triumph. ALBERT M. HERR, .... LANCASTER, PA.

.... LANCASTER, PA. 

## WANTED Carnation growers to look into the merits of

and be convinced that it is the coming commercial variety of its color. READY MARCH 1st, Price, \$2.00 per dozen; \$10.00 per 100; \$75.00 per 1000.

Send for circular for full description and a selectlist of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak Wm. Scott Lizze Mctiowan, Ivory, Silver Spray, Emily Pierson Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you love We also have a fine lot of Carmaton and Violet Idoons for sale. Write for prices, Address.

#### CHAS. CHADWICK,

Lock Box II. GRAND RAPIDS, MICH.

## **CARNATIONS**

FROM SAND OR SOIL

DAYBREAR TIDAL WAVE \$1.25 per 100, \$10.00 per 1000 1.25 per 100, 10,00 per 1000 1.00 per 100, 3.00 per 1000 75c per 100) 7,50 per 1000 SCOTI

CASH WITH ORDER.

LAKE GENEVA FLORAL CO , - Lake Geneva, Wis

#### BAKER'S NEW CARNATIONS.

Grown and tested five years.

ONEIDA Pure pink, healthy; no rust; continuous producer: hargest size bloom.

RED JACKET—Bright red, fine stem and ealyx; continuous cropper \$10.00 per 100.

Orders booked now to be illed in rotation as fast as

C. F. BAKHA, Ution, N. Y.

SELECT

FROM STRONG HEALTHY STOCK.

CARNATIONS Scott, McGownn, Cartledge, Tidal Wave... \$1.50 per 100. ROSES Brides, Bridesmids, Meteors-\$1.50 per 100.

Very best commercial varieties of 'Mums. Write for prices.

W. H. GULLETT & SONS, - Lincoln, III.

Say "saw your ad, in the Florist" when you write advertisers.

#### Cincinnati.

CUT FLOWER TRADE BETTER. -SUPPLY SHORT.-REMARKS ON THE CARNATION CONVENTION .- D. R. HERRICK SICK.

Cut flower trade has been better the past few days, and the shortage in supply still continues. There has been a brisk demand for all good stock of roses and carnations, and the outlook for an increase in the supply is not very flattering. Dinners, weddings and the natal day of this nation's first president, which was fittingly observed in and about the Queen City with imposing street parades and several swell banquets, made a good call for quantities of cut flowers. Violets and bulbons stuff are plentiful.

Mr. Frank Ball, of the H. L. Sunderbruch Co., when asked regarding trade, gave the following reply: "Business good, stock very scarce."

The delegation of thirteen (the unlucky number) came back from the convention all well pleased, and spoke in the highest terms of the treatment they received at the hands of the Chicago brethren. Mr. Will Murphy was the first to make his appearance, and said, when approached about the banquet, "Well, the boys up there had wine at the banquet, which was an improvement over ours." Mr. A. Sunderbruch was well pleased with the arrangements of the hall and the dis-

play of carnations.
"The vase of American Beauty I saw there, will linger in my memory as long as I live," said Ben George. "Flora Itill will be grown extensively," I heard Mr. J. Paterson say; she looked at her best. "Evelina was right in it, a pity Dick didn't enter it for the 100 bloom contest, was the remark made by E. G. Gillett.

D. R. Herrick, of the S. S. Jackson nursery, I regret to say, has been confined to his bed with a severe attack of kidney trouble, and from latest reports is seriously ill. We wish him a speedy recovery.

Mr. M. Rice, of Philadelphia, was a

caller this week. II. SCHWARZ.

FORT WORTH, TEX., Feb. 16.-Baker Bros., florists, have suffered loss by fire.

#### HOW TO GET RICH.

By Wm. K. Harris.

Stop here, my dear friend, and read this bright

inge, It tells how to provide for ripe old age. The ridde is plain, just give it a thought, 'Tis selling goods high that were cheaply bought.

That active manhood may provide for old age, I offer the following plants at a reduction of from 20 to 25 per cent, less than my autumn price, after many months time has increased their size and beautified their growth.

Philadelphia is the center of the nation for decorative plants, and my stock is the Standard of Excellence by which all others are measured; so when you buy my stock at a low price, you are buying cheap indeed. One may say, "You know the secret that provides for old age. Why give me that which you lodd within your own grasp?" The answer is—"I must have room for Easter bloom, that fragrance may blend with the heanty of the day.

|         |               |          |    |         |     |      |      |     | each  |
|---------|---------------|----------|----|---------|-----|------|------|-----|-------|
|         | ıa Veitchii i |          |    |         |     |      | alze | tur | \$210 |
| Cocos W | eddellana,    | 3 plants | tn | 5-ln. p | οt. | 75c  | 4.5  | 60  | File  |
|         | **            | 1        | ** | 4-1n.   | •   | aac  | 1.6  | ú,  | 25e   |
| 4.6     | *1            | 1 "      | •• | rmall   |     | 20c  | 4.4  | (a  | 15e   |
| Areca L | utescens      | 3 "      | ** | ti In.  | * 6 | 1.00 | **   | (4) | 75c   |
|         | **            | 3 "      | ** | 4-1n.   | **  | 40e  | * *  | (17 | 30e   |
| Latania | Borbonica.    |          |    | 8-in.   | ••  | 2.00 | **   | (it | -1.50 |
| ••      | **            |          | ** | 3-in.   | • • | Sc   | **   | in  | tie   |

Dracaena Sanderiana (new). Livistona Rotundifolia, Rubber (Ficus Elastica), Pandanus Utilis, Large Areca Lutescens. Olaheite Oranges in bloom and in fruit, and much other fine stock at usual prices.

#### WM. K. HARRIS,

55th St. and Springfield Avenue, PHILADELPHIA, PA.

## 100,000 VERBENAS. THE CHOICEST VARIETIES

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 oer 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country, Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

#### Ser VERBENAS. Ser

The linest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass. Strong rooted cuttings, 60c per hundred!; \$5.00 per thousand: live thousand, \$20.00. New Yellow Marguerite linest variety, strong 2-in. pot plants, 3c; rooted cuttings, 2c.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

|                                          | _       |
|------------------------------------------|---------|
| 1(0)                                     | 1000    |
| CANNAS, Crozy, Brouvier, Marquant\$2.75  | \$25,00 |
| Italia Austria 4 (0)                     | ¢*0.00  |
| Italia Austria 4 (ii)                    |         |
| IVY, English strong 2-year 5.00          | 45,00   |
| CREVILLEA, atrong. 2-feet                |         |
| DAHLIA, long stemmed, white 5.00         |         |
| HELIANTHUS multiflorus, from open., 5.00 |         |
| EULALIA Japunica zebrina, strong 5.00    |         |
| EULALIA Japonica variegata, strong 5.00  |         |
| CASH WITH ORDER                          |         |

WM. McROBERTS, Jr., Govanstown, Md.

#### GERANIUM*S* **BEGONIAS**

#### and FUCHSIAS

SELECT NEW and good old standard sorts. the best to be found, up-to-date. 4 4 40 Varieties Geraniums, 4 25 Flowering Begonias, and a good assortment of Market Fuchsias. Let us know what you want and we will quote you prices low enough.

#### J. NICOL & &

Oak Street, & JERSEY CITY, N. J.

## GREEN AS GRASS.

#### MAMMOTH VERBENAS

Fine selected stock in separate colors. Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

| CLEMATIS    | Jackmanni, Henryii doz. 100<br>and others\$3.00 \$20.00 |
|-------------|---------------------------------------------------------|
| H. P. Roses | Strong, 2 and 3 years<br>own roots\$1,50 \$10,00        |

REO JACKET GOOSEBERRY, only large 

prices.
PAEONES, fine ass't of colors and kinds \$1.25 \$8.00 \$2.50

F. A. BALLER, Bloomington, III.

#### **PELARGONIUMS**

12 LEADING KINDS, \$4,00 per 100.

VERBENAS 25 of the best named varieties, Rooted Cut-order. Express prepaid. Cash with

S. D. BRANT THE CLAY CENTER FLORIST, CLAY CENTER, KAN.

## PELARGONIUMS.

VICTOR and MME. VIBERT, the two great tarket varieties, \$4.00 per 100. It also have a lot market varieties, \$4.00 per 100. I also have a lot of fine stock plants of the above and others which will make fine specimens for 6 or 8-meh nots. Just the thing for Easter; 25 cents each; \$3.00 per doz.

A. C. LAMPRECHT, Ashland, Ohio, Mention American Florist.

## **BOUGAINVILLEAS.**

Beautiful for "cutting" or pot sale. Free and durable, and blooming for four to sale, months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT. Glenfield, Pa. 9 miles below Pittshirg, Pa.



#### KLONDIKE

Cold Fields at your door. - CERANIUMS.

Gold Fields at your door.—CERANIUMS.
Grown In soil In flats, ready to shift into 3-inch pota.
\$15 00 per 1000.
S. A. Nutt. Beaute Poltevine, Mrs. E.
G. Hill, Van Dael and Robt. Brett; the same in 2½inch pota \$20,400 per 1001.
Standard sorts, such as double Grant. Rruantl, La
Fayette, La Fayorite. Le Plint. Glorre de France, Hoff
Beech. Wonder, Mrs. J. M. Gyar, Jules Ferry Centaureau and others. \$12.00 per 1000. In 2½-inch pots. \$2.50 per
1000. Mountain of Snow, in 2½-inch pots. \$2.50 per
1000. Mountain of Snow, in 2½-inch pots. \$2.50 per
1000. Mrs. Salierol from this. \$1.25 per 100 \$10.00 per 1000.
Ageratum blue and white. from flats. \$1.50 per
1000. S10.00 per 1000. Feveriew little Gem, from flats
\$1.50 per 1000. Stone better little Gem, from flats
\$1.50 per 1000. Stone better little Gem, from flats
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\$1.50 per 1000. Stone better little Gem, from flats
\$1.50 per 1000. Stone better little Stone
1000. S12.00 ner 1000. Varlegated Vinca, rooted cuttings
\$1.50 per 100. Stone better little \$1.50 per 100.
COLEUS. assorted 2-inch pots \$15.00 per 1000
rooted cuttings \$1.50 per 1000: C. Versebaffeltil and
Golden Queen, 2-inch pots \$15.00 per 1000; rooted cuttings
\$1.50 per 1000. Stone per 1000; rooted cuttings
\$1.50 per 1000.

J. E. FELTHOUSEN, Schenectady, N. Y.

AZALEA INDICA
We have an immense stock of ieties, extremely full budded, of the following large size: 12 to 15-inch, 86.00 per 100. CINERARIAS, 5-inch, bud and bloom, \$1.25 per 10.291. Route Cold. per 100. CINERARIAS, 5-inch, bud and bloom, \$1.25 per dozen. Oouble Golden Marguerite Cuttings, by mail. \$1.50 per 100.

WHITTON & SONS, Wholesale Florists. City and Green Sts., UTICA, N. Y.

#### WHY NOT....

Advertise and sell some rooted cuttings or other surplus stock.

THIS SIZE "AD." ONLY \$1.00.

American Florist Co., Chicago.

## LETTUCE AND OTHER... **VEGETABLE PLANTS**

LETTUCE -Blg Boston, Boston Market, Tennis Ball Grand Rapids and Relenner's Forcing, 15 cts per 100; \$1,00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. 15 cts. per 100; 81 00 per 1(0). Pepper and Egg Plants-25 cts. per 100; \$2 (0) per 100.

CAULIFLOWER, Snowball—35 cts per 100; §2 50 per 1000; It by mall add 10 cts, per 100 for small plarts, and 50 cts, per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Say "saw your ad, in the Florist" when you write advertisers.

#### Detroit.

A recent hurried look in the retail places of business was made one day last week. We noticed as follows: Geo. Leadley looked good natured in

his always neat and attractive store. The choice stock seen in his windows could hardly be called on to divide any honors. Trade he calls good this season. and incidentally mentioned a renewed demand for tulins, he recently making use of 1200 of them at one occasion.

Breitmeyers' showed the usual animation invariably going with this establishment, all hands fairly busy, with flowers none too plenty. Their new and fancy kinds of carnations, which Fred. Breitmeyer, at their Mt. Clemens houses, so well knows how to grow, this season are an

especially attractive feature.

Andrew Ferguson on Willis avenue has a well equipped place for custom trade. He shows some well flowered double tulips in pots thus early. Two-foot square flats of other kinds of tulips show to good effect, being a departure of a certain attractive character compared with ordinary smaller boxes. We saw here also some fine treesia blooms.

B. Schroeter was busy delivering azalea "boarders." He has reduced the feature of the care of plants for customers to a system, in methods of handling, so it is done reliably to patrons and satisfac-

tory in remuneration to himself.

We here met W. J. Pearce, of the Pontiac
Floral Co., growers, of Pontiac, Mich.

Mr. P. claims good success with Daybreak this season, a fact attested to by the good color and sturdy make-up of the blooms he showed, and Silver Spray is still doing fairly with him. Several houses of rose stock received a foul almost knock-out blow-from a wrongly applied stimulant.

J. F. Sullivan claimed a busy week, and to all appearances is prospering. His roomy store and connected conservatory gives ample facilities for easy handling of a large business. He is a steady pat-ron of Chicago growers for roses. Bulb stuff in Roman hyacinths, valley and tulips are a leading item of his own growing, which have sold well this season.

Robert Flowerday, of the Detroit Floral Co, was next to ill-humored from the scarcity of bloom, with additional orders coming in for attention. Naturally be called trade good.

#### Worcester, Mass.

We are in the midst of an ice storm, the most destructive that we have experienced for many years. In many cases huge clusthat have stood nearly a century are entire y ruined, the damage to the various parks in the city must be very great, but at this criting, it is impossible to ascer-

The completely gutted the block adjoining the property of the horricultural society but fortunately was confined to the Buon Theatre block, and the only damage to the society's property was by smole in d water. The loss has not been adjusted yet, but will probably amount to \$200 or \$400, fully insured. Win Goode and wife, who were sleeping on an apper the ar, had a narrow escape from

Trade is running, along evenly, and florists are disposing of about all they can

grow at regular prices.
Dark weather has shortened up the supply considerably especially in carna

We have had considerable funeral work A H L

Fine collection of varieties including Wm. Agnew, Nymphaea, John Bragg. Oban, Zulu. Beauty of Brentwood, etc., etc. Our selection, twenty varieties to a thousand, \$50,00. Purchaser's selection, twenty varieties to a thousand, \$60.00.

Wm. H. Moon Co.

Glenwood Nurseries

MORRISVILLE,

Bucks Co., PA.



30,000 DAHLIAS

Before ordering your Dahlia stock be sure and send for my catalogue noveltles and standards of the best quality and at the lowest prices. All stock goaranteed true to name.

W. W. WILMORE, Box 382. DENVER, COLO.

## Two Great Sports

**CARNATION** 

**VICTOR** 

Undoubtedly the best Pink Carnation in commerce and certainty the most prollide bloomer, perfectly healthy and of vigorous growth. Rooted cuttingt now ready. \$4.00 per 100; \$55.00 per 1000. Come and see this carnation growing.

**CHRYSANTHEMUM** PENNSYLVANIA

The finest yellow for cut blooms or exhibition pur poses ever produced Plants ready March 15, \$5.00 per doz.; \$55.00 per 100; \$250.00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

## PEACOCK'S PRIZE WINNING DAHLIA

Did you know that in 1896 Peacock's Dahlias were awarded sixteen (16) first prizes at Philadelphia out of seventeen entries? And at the American Institute, Madison Square Garden, New York, the seven first prizes (all that were offered) and two special diplomas tor Clifford W. Bruton and Wm. Agnew? That last vear(1897) at New York, they were tor Clifford W. Bruton and Wm. Agnew? That last year (1897) at New York, they were awarded six of the seven first prizes and The Medal of Superiority of the American Institute, the highest award ever given Dahlias in America? That at Philadelphia-well, we won't say anything, as they were not in competition; but, read what the Philadelphia Record of Sept. 22, 1897, says:

"Prominent above all the other exhibits is that of the Dahlia Society itself. I includes an almost perfect assortment of all the Dahlias known in this country grown by W. P. Peacock, of Atco, N. J., but it was not in competition for prizes

New Illustrated Descriptive Wholesale Catalogue now ready; send for it before placing order elsewhere.

W. P. PEACOCK, ATCO, N. J.

\*\*BOSS\*\* Chrysanthemums WM. H. CHADWICK - the grandest white novelty of the season. THE YELLOW FELLOW Winner of \$100 Stearns bicycle prize. MADELINE PRATT- "As pretty as her picture."

Distributed March 1st by leading firms and the grower. ..... Grove P. Rawson, Elmira, N. Y.

## Jardinieres, Pots@Pedestals



ADAPTED TO

Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

Mention American Florist.

#### Bloomington, Ill.

Of course the recent carnation exhibit held in Chicago proved an interesting subject and Mr. Washburn, like many other carnation growers who have studied the nature of the divine flower, speaks enthusiastically as to its future. four-inch carnation on a correspondingly long and strong stem is, in his opinion, within the reach of the average florist. In retailing the results of its experience the carnation society, as a body, is doing a noble work and its services to the craft are inestimable. Petty jealousy and malice as shown by the New England contingent for example can never check the progress of the society's lofty aspirations. It goes without saying that I fully coincide with Mr. Washburn in his opinion.

Since my last visit, things in general have assumed a much brighter aspect. Choice stock is in demand and fair prices

rule the market.

Mr. Washburn has added a handsome and commodious conservatory to his flower store and has likewise equipped the latter with a complete seed department.

Mr. M. T. Hempstead will add fifty feet to one of his houses and will give his cutire plant a thorough overhauling.

Помо.

GENEVA, O.-W. P. Simmons, the well known florist of this city is dead. He was 81 years of age, and was a resident of Geneva for thirty-seven years. Mr. Simmons was head gardener at Eaton Hall, England, before coming to this

ANSIES
The Jennings Strain of Finest Mixed Pansies....
Medium size, \$5 per 100 be express; 75c per 100 be mail. Seed of above. \$1 packet; \$6 per ounce. Aster Seed, Semple's & March 20th. Cash with order. pink, \$1.50 per ounce. Large Pansi ready March 20th. Cash with order.

E. B. JENNINGS, Southport, Conn. Lock Box 254. Grower of the Finest Pansies.

#### WHITE, PANSIES. FAXON'S

The hest mixture in cultivation, flowers very rge, thick and velvety; of superb colors and arkings. The perfection of form and texture. In Trade Packets at \$1.00 each.

M. B. FAXON,

Lock Box 1528. Boston, Mass.

## Aster, Verbena & Pansy Seed

Truffaut's peony-flowered Perfection, mixed, ¼ oz. 30 cts. 1 oz. \$1 00.

Truffaut's peony-flowered Perfection, mixed, in separate colors, pure white. Hight blue, rose and white, and bright red. ¼ oz. 50 cts., 1 oz. \$1.50, or 1 oz. of each of the 4 colors for \$5 00.

Princess or Soowball (Aster), pure white, ¼ oz. 75 cts. 1 oz. \$2.50.

Mammath Verbook, 100 cts.

1 oz. \$2.59. Mammoth Verbena, 100 colors mixed, ¼ oz. 30 cts.

Mammoth vergena, the colors inixed, 32 oz. 30 cts. 10z \$1.00.

Mitting's Pansy, large flowering, choice, 14 oz. \$1.00.

1 oz. \$4 00.

#### PLANTS.

Alternanthers aurea pana and P. major, 24, 10., strong \$2.00 per 100, \$15.00 per \$1000.
800 tobbin Hood Carnation Cuttings to spare, strong and healthy, large scarlet, \$3.00 per 100, 500 Mrs. Chas. Duhme @ \$4.00 per 100.
500 CA. Jana @ \$4.00 per 100, \$7.00 per 1000.
500 OWM SCOTT @ \$1.00 per 100, \$7.00 per 1000.
500 COlebus, 20 choice heddors, 24, 1n., \$1.50 per 100.
Lycopodium Denticulatum, 24 (n., \$2.00 per 100.

Our Crowers' Trade List now ready.

THE MORRIS FLORAL GO.

Morris, III.

Gladiolus Bulbs FOR FLORISTS.

WE HAVE THEM!

WE HAVE THEM!

Columbian Medal. S. A. F. Certificate of Merit. First prizes wherever shown. Cushman's Celebrated Seedlings. A light mixture. No. 1, \$1.25 per 100, \$10.00 per 1000. No. 2, \$1.00 per 100, \$8 00 per 1000. Our No. 2 are fine bulbs, 11/2-in.

CUSHMAN GLADIOLUS CO.. Euclid. O.

# FLOWER SEEDS FLORISTS Special Florists' Price List ......Ready LATANIA BORBONICA FRESH SEED & Lb., 50c; 25 lbs. and up, 40c. COCOS WEDDELIANA \$7.00 per 1000 Seeds. Tuberose Bulbs Dwarf Pearl. LILIUM AURATUM. SWEET PEAS for Florists. J. M. THORBURN & CO. 15 John St. NEW YORK.

# FLOWER SEEDS FOR PRESENT SOWING See our "BOOK FOR FLORISTS." Write for copy if not received. \*\* VAUGHAN'S SEED STORE 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICACO.

FRESH ON HAND per 100 1000 3000 COCOS WEDDELIANA. . \$1.00 \$7.50 \$20.00 LATANIA BORBONICA. . 50 3.00 7.50 KENTIA BELMORFANA . 1.00 7.00 20.00 "FORSTERIANA . 1.00 7.00 20 00 GUS PLUMOSUS NANUS 1.50 12.50 35.00 CANARIENSIS . 1.50 12.50 35.00 SPRENGERII . 1.50 12.50 35.00 FORSTERIANA 1.00 7.00
ASPARAGUS PLUMOSUS NANUS 1.50 12.50
CANARIENSIS 1.50 12.50
SPRENGERII 1.50 12.50

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## R. & J. FAROUHAR & CO.

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16 and 19 South Market Street.

**BOSTON** 

FOR THE CHOICEST AND BEST NEW CROP

## FLOWER SEEDS

Neponset Paper Flower Pots, Pure Sheep Manure, and All Florists' Supplies. 4 4.

Catalogues mailed free,

Newport, R. I.

The ball given by the Newport Horti-cultural Society at Masonic Hall on February 17 proved to be a social as well as a financial success. The gardeners and their friends turned out in goodly numbers and there were also present members of the city government. The entertainment was in the hands of a committee consisting of Arthur Griffin, Robert Laurie, John Allan, John Butler and Joseph Gibson, who left nothing undone to make the affair a complete success. The grand march was led by Prof. Alexander Grey, from New York, who is a bagpipe player of merit, and his rendition of the "Cock of the North" for the march was everything to be desired; he also played during the intermission and for some of the dances. At midnight a collation was served, after which the dancing was resumed until "wee" hours in the morn-This affair was the most successful of its kind ever conducted by the society, and it has resulted in reimbursing the treasury of the society to no little extent.

Since the society adopted its exhibition schedule, chrysanthemum cuttings and plants have been much in demand by the members, for the reason that the schedule is so made up that it makes it an easy matter for small, as well as large growers, to compete in almost every class.

At the next meeting of the society Prof. L. F. Kinney, of the agricultural station of Kingston, R. L., will deliver a lecture. the subject being the "Influence of Horticultural Societies.

Mr. Carl Jurgens is cutting extra fine lily of the valley and of which he is shipping large quantities; his Roman hyacinths and narcissus are also extra fine. His experience with rose houses built short span to the south has not been as satisfactory as the older system. Beauty roses on this place planted last spring

#### NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price trong plants from 2 --inch pots, \$25,00 per 100 in lots less than 1000, \$225.00 per 1000. Orders booked now, delivery March 15 18th, Correspondence solicited. Address

H. WEBER & SONS, Oakland, Md.

have made a wonderful growth, and have in every respect discounted those of this variety that were planted on benches.

John R Johnson, gardener on the estate of the late Ogden Goelet, will sever his connection with that place on the 1st J. J. BUTLER. of next month.

#### Florists' Hail Association of America.

An occasional florist reminds me that old line companies are offering him a low rate. The good book says: "What profiteth a man if he gain the whole world

## Rooted Cuttings...

Am. Beauties, Brides, Maids, V. Kaiserin, Perles, Belle Siebrecht, Meteors. Same in 2-in. pots ready Feb. 15th to 20th. Send 50c for samples and get prices.

GEO. A. KUHL, Pekin, III.

## ROSES

PERLES ...

Guaranteed first-class. Stock grown in low temperature.

THE E. HIPPARD CO., Youngstown, Ohio.

and lose his own soul?" Paraphrased we might make it: How much will you gain if you get a low rate from the old line companies for a year or two, and pay an exorbitant rate the balance of your life? Before the Florists' Mutual Fire Insurance Association was organized the old line companies refused to recognize us, unless we paid them exorbitant rates. The Florists Mutual is planned to give you insurance at first cost, and it is the duty of every florist to stand by it, and furnish the business to make it a grand success without delay. IOHN G. ESLER.

New American Rose\_

#### MRS. ROBERT GARRETT

As one of the syndicate holding stock in this rose we offer dist class plants, from 2½-inch pots, to be delivered on and after March 15, 188, at the agreed price of \$3.50 per doz., \$25.00 per 100, \$225.00 per 1000.

AMERICAN ROSE CO. WASHINGTON, D. C.

#### 300,000 YOUNG ROSES 300,000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers.

Send for prices.

The National Plant Company, Dayton, Ohio.

#### ..ROOTED

CUTTINGS

| No scrub wood used. All stock thoro | ughly ro  | oted and    |         |                  | From 25    | 6-Inch Pots |
|-------------------------------------|-----------|-------------|---------|------------------|------------|-------------|
| carefully packed when sent out. Sen | id for sa | niples      | Per 100 | Per 1000         | Per 100    | Per 1000    |
| AMERICAN BEAUTIES,                  | Roofed    | Cuttings.   | \$2.50  | \$22.00          | \$4.00     | \$35.00     |
| BRIDES                              |           |             | 1,50    | 12.50            |            | 20.00       |
| BRIDESMAID                          |           | * *         | 1.50    | 12.50            | 2.25       | 20.00       |
| METEOR                              |           | * *         | 1.50    | 12,50,           | 2.25       | 20.00       |
| KAISERIN                            |           | **          | 1.50    | 12.50            | 2.25       | 20.00       |
| PERLE                               |           | **          | 1,50    | 12.50            | 2.25       | 20.00       |
| Terms each with order or g          | oods ser  | if C. O. D. | Plant   | s from 21/2-inch | pots ready | March 1.    |

J. A. BUDLONG, - STATION X. CHICAGO, ILL.

## lew Plants of special menti fund the live florist & &

Carnations

 $Roses \dots$ 

Lily Dean, Flora Hill, Mayor Pingree and Victor at \$5.00 per 100; \$40.00 per 1000; extra selected well-rooted cutt ngs. These are all A1 varieties and money makers.

CLARA WATSON, one of the best varieties for general florists' use. \$8.00 per 100, strong plants, and President Carnot, \$6 00 per 100 .....

All the new and best Chrysanthemums at advertised rates. . . . JOHN N. MAY, Summit, New Jersey.

## REINBERG BROS.

Growers of

is

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Cut Flowers.

500,000 FEEL OF GLASS. We can fill all orders on short notice with all eading varieties of Roses and Carnations. We ARE Headquarters for Fine AMERICAN BEAUTIES. Give us a trial and convince yourself.

Fine Rose Plants

1500 Real, 10 5, pme. t March 1st

|            | 1 (.) 1(0) | Last traver |
|------------|------------|-------------|
| METEOR     | 4,5 00     | \$155,000   |
| PERLE      | 3.180      | 25 00       |
| BRIDE.     | 9.50       | 22,500      |
| BRIDESMAID | 2.50       | 22.50       |
| LA FRANCE  | 2.50       | 27.50       |
| KAISLRIN   | 2.50       | 22.50       |

REINBERG BROS., 51 Wabash Ave., GHIGAGO.

#### ROOTED CUTTINGS.

ROSES.

\$1.50 per 100, \$12.50 per 1000 Cuttinge.

CARNATIONS

| CAHNATIO                                                                                                       | INB.                                   |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Willam Scott. Nancy Henke Tidal Wave Portia Lizia McCowen Kehinnor Mre, Thompson                               | \$1.00 per 100.<br>\$7.50 per 1000     |
| Daybreak Emma Wocher Meteor Goldfinch Lizzle Cilbert Harrison's White                                          | \$1.50 per 100.<br>\$12.50 per 1000    |
| Nivea\$3.00 per 100;<br>Jubilen\$2.00 per 100;<br>Flora Hill\$4.00 per 100;<br>No order for less than 100 of o | \$15.00 per 1000.<br>\$35.00 per 1000. |

#### Pittsburg.

With the approach of the Lenten period trade improved enough so that it could really he called good. The stock of flowers has only been fair, roses and carnations, particularly in this section, have been none to plenty, the long-continued dark weather having had its usual baneful effect. Prices with the wholesalers have been up to holiday figures, they reaping the henefit of a short crop, as the retailer's prices were not advanced in any marked degree. The demand for funeral work still keeps up with but little variation in either designs or quantity.

Mr. Wm. Flemm who was the late Mr. N. Patterson's right-hand man, and who has been the manager for the estate in the florist's business, has, in connection with Mr. Walter Breitenstein, purchased the business from the estate, and will continue it under the firm name of Breitenstein & Flemm at the old stand, corner Market street and Liberty avenue. Mr. Breitenstein will remain at his place on Smithfield street until April 1 (our general moving day); after that date will be at the firm's store. The new firm will undoubtedly be successful as they both are artistically capable of furnishing up-to-date floral work in any line, and will have the advantage also of an established business to start with and have the good wishes of many friends and the trade for their success.

Mr. Gus. Ludwig reports trade good with him in all branches, and among his late orders for funeral work was one that is new here. The walls of the room were covered with muslin, covering entirely all pictures etc., and this foundation was covered with smilax and asparagus; the body of the child lay in a floral cradle, with palms and decorative plants arranged in profusion around it, all having the effect of a garden. This is the custom in the part of Europe where the parents of the child

Mr. L. I. Neff, of Sixthstreet, says trade has been better for the last week than for a month before, also that the trade at his old stand on Butler street, now managed by Mrs. Neff, is also good. Mr. H. Streif, formerly with Mr. Dell, is now engaged by Mr. Neff at the Sixth street store.

Superintendent Falconer, of Schenley Park, has gone on a trip to Florida. REGIA.

#### Rochester, N. Y.

It is likely that prices, which have kept up so steadily in this market, will decline now to some extent, especially if the supply should keep on increasing as it has done lately.

In the past weck every day was a busy one. February 22 called for a number of table decorations in various quarters, there was also a lively demand for flowers of every description to be used on the tables at smaller gatherings. An ample supply was on hand this time, with the exception of good roses, which all through this winter have been very scarce in this market, only a limited quantity of first class stock came in from local growers; the supply had to come from distant points, and was not always as good in quality as expected. Some of our growers are inclined to blame the sunless winter months for their failure to produce good flowers, and it may be true that we had a few more cloudy days than in other years, but then if the dark weather had anything to do with this, all growers in the neighborhood would have been

affected alike, which is not the case, for Salmon's roses, for instance, are as fine as ever, and in a few other places they are cutting some excellent blooms while their near neighbors have not been able to coax their plants into vigorous growth; the want of success must be looked for somewhere else, in my opinion.

I do not know that any of our retailers have seriously suffered by this insufficient supply; instead of recommending the lavish display of roses in a table decoration; they usually suggested something different, for a change, and the innovation was favorably received by a majority, so that now, instead of merely ordering a hunch of roses for their tables, people will ask for suggestions in some other line. However, roses will always be in demand, and those on hand are readily disposed of every day; it is only a clever trick of our florists to suggest fancy carnations, a special shade of tulips or some other flowers when they are unable to supply

the roses on short notice, but it cannot be denied that the sales in these other flowers have increased considerably over the ordinary, and that there is as much profit in one as in the other. Orchids have never been used extensively here, but had a better run this winter than ever before, just on account of the prevailing scarcity of good roses. J. B. K.

#### Society of American Florists.

The meeting of the Executive Committee has been called at Washington, D. C., for March 15th. In accordance with the usual custom the meeting should have been held at Omaha but the expense being very great and the Exposition management at Omaha not showing any disposition to assist in the matter of transportation, the change was made in the interests of economy. The president and secretary will probably find it necessary to go to Omaha later.



## IT'S ENGLISH, YOU KNOW!

Drop a postal and get a leathet "How to Grow Begonia Semperflorens from Seed." Vernon is a shining example of this type. Sutton's, the celebrated English Seed House, offer improved selection of Semperflorens, of which the following are of great merit: Crimson Gem, Coral Gem and Duchess of Edinburgh; the colors are red, rose and blush. We offer liberal trade packets of American saved seed at \$1.00 each; one-half packets at 50 cents.

CASH WITH ORDER.

A. H. LONSDALE CO., STATION H. Phila., Pa.

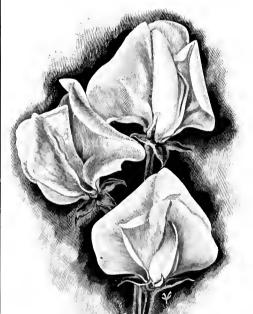
THE BRIDE

Put a dollar bill in an envelope and get a ½ trade packet of each of the above, or if you only want to experiment we will send you a mixed packet for a quarter, silver or one cent stamps. Our tests show the vitality much better than imported seed. These Begonias are great, either for bedding or pots—always in bloom—S mperforens means evenblooming. Seed sown now will make fine plants for Spring sales.

Cash with the Order. Money Order P. O. Station H.

A. H. LONSDALE CO...

Specialists, Station H, PHILADELPHIA, PA.





Originated by M. Lynch, Mento Park, Calif.

M. Lynch, Menle Park, Calif.

THE BRIDE This beautiful large, white-seeded variety is the best White Sweet Pea to dute. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white-seeded varieties—so often poor growers, Grown for the ent-flower market of San Francisco in competition with the other high class whites, it has brought the highest figures over them all, taking first rank among all the whites. The flowers are pure white of fine substance, large and of true grandifloratype, Beside this every seed will grow. Perfect flowers were cut as early as April 16 last year. Price, per lb., \$2.00: 1-4 lb., 60c: 02., 20c: pkt., 10c.

The Cornell Bulletin in naming the best Sweet Peas of each color, classes The Bride Brat as a white, with Emily Henderson second and Bianche Burpeethird. Frank Pellcano, a leading florist of San Fran-cisco, stated: "We can sell more Bride Sweet Pea blooms than those of any other variety which we have ever handled."

Prof Tracy, in a recent review of some of the newer Sweet Pens anys: "The especial merit of this variety (The Bridei is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, being one of our best sorts in these respects, and forming an exceedingly graceful bunch."

Mr. Lynch has sent us his entire stock which we offer to the trade as above,

#### VAUGHAN'S SEED STORE,

14 Barclay St., NEW YORK. 84 & B6 Randolph St., CHICAGO.

#### The Plant Swindler in Tacoma-Same Scheme.

11. Manieke, a florist at Sixth and M streets, was swindled in the same old way recently. The smooth-tongned way recently. The smooth-tongued stranger called and asked to have some plants left at 712 D street for use at a ball. When Mr. Manicke called for the plants, he found they had been sold to residents in the vicinity.

#### St. Paul.

TRADE GOOD.-PRICES HIGH.-ROSES AND CARNATIONS SHORT, - PERSONAL.

The week ending February 22 was one of the busiest on record. The funeral of of the busiest on record. The function of a prominent physician called for an immense display at the hands of the florist—one of the largest ever seen here.

Numerous social gatherings of more or the provided in the property of the provided in the provid less note, a few weddings, and a general desire for flowers, assisted in rolling up sales, while shipping trade to country towns made the round-up one of the best recorded.

Retailers, however, complain of high prices, in many eases exorbitant, while the growers are correspondingly happy. In fact, this winter has been exceptionally favorable to the growers in this section. No snow, plenty of sunshine, no severe cold, thereby saving fuel, have all combined to give the grower some old time enthusiasin, and to stimulate trade

in general.

Retail prices are well maintained, though not as correspondingly high as the wholesale. Stock has been and is very scarce. The cut here has been wholly inadequate to the demand, and large shipments from Chicago and Milwankee are arriving daily. The numerous growers there are the brake which keeps prices

from soaring skyward here.

The principal shortage has been in roses and carnations. Our home growers supply about all the violets needed-but in other lines the supply is sadly deficient. Bulbous stock, excepting Harrisii, is in fairly good supply. This class of stock is exceptionally fine this year. Better daffodils, Romans, Paper Whites, valleys, tulips and hyacinths were never seen in this market. If this is due to the better class of bulbs shipped in on account of the tariff increase, we say all hail to the bingley bill. Let the good work con-tinue. Harrisii while not badly affected by disease, are not as good in general as in former years. Longiflorums from Japan, on the contrary, are exceptionally good, clean, healthy stock.

Plants have sold fairly well, though

bulbous stock goes slowly.

The demand will be less during Lent, though indications point to a continued good trade.

Our first fall of snow this season came the 19th and is disappearing rapidly under the sun's rays.

#### NEW & SECOND-HAND MATERIAL,

CHICAGO HOUSE WRECKING CO.

Largest Mail Order Depot for New and Second-Hand Material in the World W. 35TH & IRON STS., CHICACO. Write for our free Illietrated entalogues.

Stock for Easter will be plentiful and good. Harrisii are not as good as in former years, though fully 80% to 90% are all right. It looks as though this grand Easter plant were doomed, as the inroads of the disease are worse each year.

of the disease are worse each year.

Callers during the past week: Mr.
Greenlaw, representing N. F. McCarthy
& Co.; Mr. Roberts, of S. A. Weller & Co.,
Zanesville; the genial representative of J.
Kranss, New York, and Mr. Lipman,
with T. Ollesheimer.

## Neponset Flower Pots

Terms-Net cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

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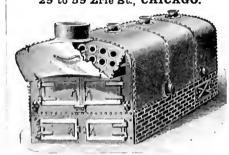
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## THOS. W. WEATHERED'S SON

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NEW YORK.

#### Milwankee.

The past week has been a busy one among florists here, stock became quite scarce at times; dinners, receptions, etc. have been quite numerous, with a few funerals interspersed. All good flowers sold; when the variety asked for could not be furnished something else was used as substitute. All must have fared well until the 19th, 20th and 21st when the north-east snow storm set in; flowers that were engaged for certain occasions didn't arrive on time; orders were counter-manded in some cases, the streets being impassable almost; new business fell off and the wholesale men have received several consignments that were left unused. A revival of activities started in on the 22nd, and bids fair to round up the week in good shape.

One of the largest decorations of the winter was for the Deutscher Club, Monday evening; the florist had use for all his grit in transporting the large palms and other material during the blinding snow storm Sunday and Monday, but he finished on time a job that was much admired. One striking feature was the use of the Alabama smilax, wired to bamboo fish poles; several of these stood up, being wired together at base, they arched over and drooped, being an exact representation of Bambusa vulgaris, fifteen to eighteen feet high at one end, around the balcony they extended up to the ceiling and arched over the dancers; the corners of the hall were partitioned off by a low hedge of bamboos and gate-way of two standard laurels in which were spread rugs and a parlor set of lurniture. Latania palms and kentias twelve feet high were used at intervals, it was like a real palm garden.

One ingenious contrivance noticed at a funeral last week is worth mentioning on account of its simplicity. Two letters had been sent in, E and C, twenty inches long, some very pretty plant work had been arranged. The florist procured two common adjustable music racks, placing the base in between pots and wired a letter on each rack placing one near the head and the other near the foot next to the wall, so the wrong side was not visible; with the thumb-screw the height was easily adjusted, a little smilax trimming and the two letters were suspended over the bed of ferns very daintily and easily. These music racks are very convenient for this kind of work, every florist who makes a business of decorating should keep two or three of these and an easel or two close by.

The only catastrophe reported occurred Saturday night at Whitnall Floral Co.s' greenhouses; thirty feet of the north end of a palm and fern house collapsed. There was not a plant or roof to be seen. It caused no interruption to business.

C. B. W.

#### Indianapolis.

Business in this city continues to be very satisfactory in stores as well as on market. St. Valentine's day was a good day for everybody. Cut flowers sold best, although there was a good demand for blooming pot plants, and pans filled with bulbous stuff and ferns.

On the 10th inst. a committee of the State Florists' Association met with a committee of the Commercial Club regarding the chrysanthemum show. Although a good deal was said on both sides, nothing definite was accomplished, excepting that the committees arranged to meet again in the near future.

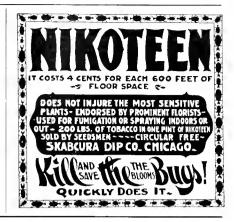
Very few of the Indianapolis men found

time to attend the carnation meeting at Chicago. Wm. Bertermann, Wm Ashlach, and Wm. Langstaff were the only ones who managed to get away. They report having had a good time, and speak enthusiastically of the meeting and exhi-

H. Junge, who has been confined to his bed with scarlet fever, is recovering.

Mr. and Mrs. Ed. J. Brown, florists, of Shelbyville, were in the city this week.

SPORT FROM ALBERTINI.—The South Park Floral Co., Newcastle, Ind., reports a fine red sport from carnation Mme. Diaz Albertini.



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For PLANTS, PALMS and FLOWERS

... A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale..

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soit and pliable, and a beautiful bright green.

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Gents—I send check for amount of enclosed bill, and think I shall need more of the Tobacco Extract for further trial. TWENG FARAS CAN BEJUIGED IT IS THE BEST EXTRACT I EVER HAD. Let It come by freight at once, as we have two houses longing for a dose.

Yours truly, GEO. S. OSBORN.

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#### Grand Rapids, Mich.

The Grand Rapids Florists' Club held a meeting at Alfred Hannah's on East street near Burton avenue, Tuesday afternoon. February 15. The meeting was called to order by Henry Smith, in the absence of N. B. Stover, the president. Chas, Chadwick was admitted to membership. Henry Smith read an able paper on "Roses." A great diversity of opinion was expressed about the advantages and disadvantages of growing on solid beds versus benches. Mr. Grey once remarked to the writer that he had wasted \$2000 per year in unnecessary expenses of labor new stock by adhering to the old method. Some considered it advisable to keep part of the plants in two years; similar to the method persued by some Detroit florists, thus having one-half the stock one year old, the other two years old. The majority, however, wereinfavor of the present bench systems.

The cause of black spot was assigned to everal conditions, over-watering, sudden changes of temperature, drafts, mulching too early, while the wood was in a soft, sappy condition and in such rapid growth that the plants could not assimilate it when the cold nights arrived. While all florists must grow some American Beauty roses it is not a profitable variety in this

vicinity.

Henry Smith and Geo. F. Crabb were appointed a committee to secure as many contributions of new carnations from the originators as possible, for the carnation meeting, to be held Tuesday afternoon, March 1, at Crabb & Hunter's, 509 Madison avenue, all flowers sent to be consigned to Crabb & Hunter. The meeting closed with a banquet. After passing Mr. and Mrs. Hannah a vote of thanks, an hour was spent in getting acquainted with each other. better

GEO. F. CRABB.

#### Los Angeles, Cal.

The decoration arranged by the Redondo Floral Co. for the wedding of the Queen of the Fiesta of 1897 was most notable. At the end of the double drawing room where the bridal party gathered was represented a portion of the bell tower of the old San Gabriel Mission, the frame work being made of smilax, ivy and ferns, starred with numerous carnations, and the three bells were decorated with Roman hyacinths and adiantums. Above were poised four white doves. The elaborate arrangements in other parts of the

house were exceptionally beautiful.

The funeral of Father A. Meyer, president of St. Vincent's College, gave all the florists a number of designs and church

decorations.

A few weeks ago it looked as though Los Angeles would not indulge in a Floral Liesta and week of gaiety this year, owing to the difficulty in securing money. Now, however, the money is assured, and the

atty will try to excel all past successes.

The South California Floral Co is to remove from 257 South Spring street to the corner of Lourth and Spring streets.
The Central Park Floral Co, have done

m unusually large business in shipping cut Howers eastward.

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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage. A FULL LINE OF BULB PANS.

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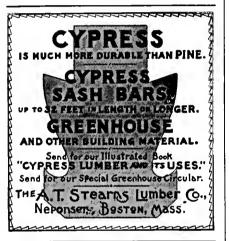
There has been invented an alarm which can be attached to any kind of heating apparatus, and as soon as steam or heat begins to leave the pipes it will ring until it is cut out of circuit by some person. It is a neat contrivance, bell, battery and switch being arranged on a board similar to a telephone. It can be placed in any room of the house and be an ornament as well as a true watchman, which never fails. Mr. Yeats will be at the S. A. F. convention to exhibit his invention and show all its merits.

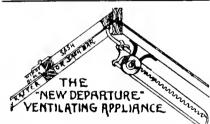


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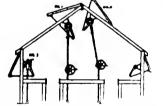


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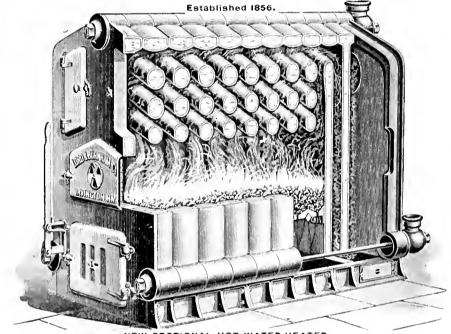
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Vol. XIII.

#### CHICAGO AND NEW YORK, MARCH 5, 1898.

No. 509.

#### THE AMERICAN FLORIST

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#### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia, February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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The gardeners of the New York parks have formed a union under the title of the Catalpa Labor Club, which will be subject to the Knights of Labor organization.

#### Trees to Adorn Streets.

[Address delivered by Wm. R. Smith, Botanic Garden, Washington, D. C., before the Massachusetts Horticultural Society.]

In Washington, where the soil is generally poor, we usually remove two or three good-sized cartloads from a hole and replace with the best top soil to be had. We do this in dry weather for obvious reasons; we stir up the bottom and avoid compacting the sides of the same. Do not plant too closely. The character of the trees selected must determine the distance apart. One important aid to success is the tree box. It is doubtful whether by shading the stem of the tree from the sun to prevent sealding, or holding the newly planted tree steady, is its most valuable service. Do not attempt to go into the woods or uncultivated ground for trees, except as a dire necessity. We were compelled to do this at first, for some things, and were moderately successful with American sycamores, elms, searlet maples and tulip trees. It is my deliberate opinion that in the interest of economy it is better to get nursery-grown trees. Every city, village or suburban town ambitious for distinction for being well planted with trees, should have a nursery of its own, where healthy trees can be reared. Get clean seedlings from some reliable source, cultivate, prune and train them in the way they should grow, in the best ground obtainable. This last suggestion is of great importance. Trees from a poor, thin, gravely soil, or from a wet, sour, undrained one, are worthless.

That queen of American trees, the sugar maple, when bark-bound from any cause, should be dispensed with and a young healthy one substituted. It refuses to do duty as a curbstone tree. The Norway maple is one of the best curbstone trees, less self-assertive than some others. From a rare volume styled "Hand-book of Ornamental Trees," by Thomas Mechan, I find the following under Aeer dasyear-pum (white maple): "One of the finest of our native trees. It is so often seen in a half-starved, stunted state, as a street tree, that one might be incredulous of its beauty, when under proper circumstances, from a mere description." One would think the editor had recently visited Washington. His description suits the actuality at the present time. The limited supply of moisture and food obtainable makes it necessary that this large growing tree should be judiciously pruned. With roots eaged and confined, it is not possible for it to sustain a large top, Intelligence should take this whole situation into consideration and act accordingly. The gorgeous autumnal tints of the swamp maple make it an object of interest to every lover of trees. Not

being able to obtain this tree in the nurseries, we went to the woods, with only moderate success. Ilad we cut the small trees to the ground when planted in the nursery, I think the result would have been better.

The ash-leaved maple (Acer Negundo), a herald of spring, with its beautiful green foliage, and its rapid growth, would be an excellent street tree, were it not for the bag-worm and web-caterpillar being so fond of it. It should be skillfully pruned to keep it in good health. With the sycamore maple, we have had only moderate success. It soon gets covered with seeds, indicating its arrival at maturity, a desirable condition in a fruit, but not in a street tree. Some fine specimens of Acer campestre planted on the Capitol grounds have been tomahawked lately, agreeable to an uninstructed, semi-popular request. A variety of this English maple grows more freely and is altogether a larger, different appearing tree, and may, when more abundant, make a street tree.

The tulip tree is not, in my opinion, a good eurb tree, although the parkway is planted with it. If the trees are well cared for it will make the handsomest avenue in Washington. Permit me to introduce one which I think is among the best as a curb tree, the Ginkgo or maidenhair tree. Two of these interesting trees have flourished in Washington for sixty years or more. Several streets are now planted with them, where they are very fine, and fruit freely. I have never seen an issect near them.

an insect near them.

The western rock elm (Ulmus racemosa), is a tree worthy of more attention. A dozen or more as curb trees mixed with other elms are not attacked by an insect as far as my observation goes. It is a good street tree. The "wahoo" (Ulmus alata) is another not attacked by insects. It is worthy of trial in the North. I have only to mention the majestic American elm and say, give it room; it must have room. To say more in New England would be supererogation. Another remark we might make—it bears the knife when young, but not the saw. In aftertime, only dire necessity should be the excuse.

The plane tree (Platanus orientalis) in Washington is one of the best all-around street trees. They are greatly improved when severely trimmed; even the hollow-stemmed old specimens on Pennsylvania avenue, when so treated, were greatly renovated in appearance. Another tree not troubled with insects is Gleditschia triacanthos (three-thorned acacia). It bears pruning and is improved by it. The sweet gum or liquidamber is only a moderate success as a curb tree. It is attacked

by insects. Of the genus querens (oak) I have my doubts as a curb tree. As lawn trees, or in lines in the park they are grand. The American linden has been planted and is doing well, although not a perfect tree; it is much better than the European, which is apt to be destroyed by the borer. The same may be said of the ash, especially the European. which is a very variable species; none of its forms escape this terrible enemy. With the American species the borer is not quite so successful in disfiguring and destroying the trees. Fraxinus pubescens and F. quadrangularis, where there is good soil, are worthy of trial. With the horse-chestnut we achieve satisor three years. The members of the willow family affect damp, swampy, aguebreeding places, and in various ways are candidates for the high honors of quinine, as a cure for intermittent fever.

as a cure for intermittent tever.

I have never been in favor of spending large sums of money for moving trees; even to satisfy public demand. I have looked in vain for permanent success in this matter. It usually takes a young, healthy tree about the same time to grow up as it does a large one to die, after being removed. Much more might be said on this subject, but it is enough if I show you that it is better to observe and think before spending money on trans-planting large trees.



DECORATIVE CACTUS DAHLIA CLIFFORD W. BRUTON.

factory results owing to the opportunity attorded by heavy filling where the trees were used. In poor soil, with no chance to root deep, by the last of the summer it is not beautiful to look upon

Permit me here to name a few probationers for the other of street decoration, and as samitary cooling agents Phello-dendror Amurcuse I think would fill both others Zelkersacrimata, and Z. acumunata, Celus a cidentalis (American nettle tree) and Cornssitolia (hard berry) we would all noossary trees. Birds get the fruit in and seather and for this reason we rec contrained the cita be planted in part saind cannot the corresponded in parts and other pare. The Japanese catalpiers of core aparght from than the American period and a Third as probable street (see the core extron Cotrya Virginical depth of see a trong Cotrya Virginical depth of see a correspondence street tree from a trend period Cotronial and a doubt raily as halace from treet decoration. In the code tree that much treed tree to the code tree code that much treed tree to the code tree to the code tree to the tree to the code tree to the tree to the code tree than the code tree to the code tree than the code tree to the code tree than the code tr

By cutting back severely, careful watering when necessary, and cultivating with the assiduity of a good farmer towards his corn crop, we reached a phenomenal success in the early days of tree planting in Washington. Another suggestion; do not let dudeism drive from your street trees the white washer. It he uses lime, blue or other colored clay, sulphur, lamp black, salt or other material, he will greatly improve your trees, and add to the health of the neighborhood, perhaps killing the much dreaded microbes of discases as well as scale insects and fungoids. It will not stop horses' nibbling at the bank, woven wire must be used for that. I on had hove who injure tices, and for gas leaks at is difficult to suggest remedies. I can only say, mend the latter and try to improve the former. Albor Day and memorial tree planting should go hand memorial, creating a sentiment of lose and veneration for trees.

There sows painsies give promise of to see the painsies of the lutine. It is the per to raise them in this way

#### Dahlias. COLORADO METHODS.

At the solicitation of numerous friends I will here state my methods of dahlia culture. And while my methods are not elaimed to be perfect, yet they represent twelves years of practical experience among the plants and tubers.

In the FLORIST of January 8 I was much interested in an article on dahlias by Mr. Miller; especially interesting was that portion giving the culture as practiced by Mr. Peacoek. But before going further let me say that my surroundings and conditions are probably different from those of any other dahlia grower (commercially speaking) in the country, and certainly very much different from those of Atco, N. J. Yet I believe that the dahlia, when given a reasonable chance, will adapt itself to its surroundings. My altitude is about 5300 feet and I know nothing about "dry spells" that often give trouble elsewhere. With a perfect system of irrigation drouths are robbed of their terrors, but notwithstanding this, rain is very acceptable; it washes the leaves and helps to hold the red spider in check. Our days are dry and hot and our nights are quite chilly, on account of the nearness of the mountains and snow. These latter circumstances, however, seem to be very satisfactory to dahlias. They thrive and produce flowers of wondrous size, frequently six inches in diameter, and plants sometimes reach a height of nine feet. Just at how high an altitude the dahlia will grow, I have not yet discovered in this latitude, but I have customers in Georgetown, Colo., at an altitude of 8500 feet, who grow them nicely.

For my own planting I use small roots; as large as a man's finger is preferable. The size, however, varies considerably in different varieties. In planting I lay the tuber on its side covering it five inches deep. This is very important and should not be overlooked. Planted on the end, as is so generally practiced, or where the germ end is near the surface, is ruinous. When so planted the roots start from the other end, and the germ end being so near the dry surface will not start roots readily, if at all. The evil is not at once noticeable, but as fall comes on, and the old tuber becomes hard and woody, the plant will loose its thrift, and the flowers will be small and inclined to be opencentered. But if planted as suggested above—on the side—new roots will be thrown out from the new stalk before it is fairly out of the ground, and then the plant will have but little use for the old better. I plant in rows 21 gras feet, with a five toot space every fifth row for convenience in walking through. Where dahlas are grown for the tubers only, they may be planted 11<sub>2</sub>x3 feet apart.
In cultivating 1 use a cultivator so

adjusted as to throw the soil well up to the plants; this leaves a depression in the center for a small stream of irrigation water, which in dry weather I turn through about twice a week. Several advantages are thus gained; the ridges help to support the plants, and the loose dry surface prevents evaporation and fewer weeds start. I stop the cultivator as soon as the blossom buds appear. Planting the tuber direct to the open ground is preferable to starting in pots for the reason that where pots are used the tubers are so often in a vertical position. This does not apply to plants raised from cuttings and potted, as their roots are in proper shape. Cutting plants will bloom just as early and freely as those grown from tubers only they will

not produce as many roots.

My time for planting tubers is the first week in May. These begin to bloom about July 10 to 15, and by August 20, are in full bloom. I noticed with surprise, while reading a recent bulletin on dahlias from Cornell University, that some of the varieties were reported as not blooming until along in October. Why this delay I fail to see. I generally have my stock all dug and put away by October 20, and vet I count on a good three months of bloom. Contrary to the general practice I do not advocate heavy manuring. I have seen many plants and beds ruined by too much manure. Where this is the case, it is shown by a too rank growth, the flowers are under-sized, the stems weak and lacking the woody fiber; in fact a dahlia, like the sweet pea, can be grown all to top. Just how much manure to use practice alone will tell, as the soil varies so in strength, drainage, etc. My soil is a medium loam, with some clay in the subsoil, and I consider a plat well adapted to dahlia growing if it has been well mannred the previous year, except that I always give a light dusting of pure bone in the furrow when planting. In connection with heavy manuring I should also have said that where there is a rampant growth the tubers seldom mature well. They have too much sap and will often rot during the winter.

Dahlia growers should keep a sharp lookout for red spider—the worst enemy of the dahlia. All dead flowers should be kept off the plants that are intended for

late blooming.

In closing this article let me say that I have but little sympathy with the popular cry for dwarfs, and at the same time the cry is for long stems. Short men don't as a rule have long arms, neither do short dahlias have long stems as a rule. A dwarf compact dahlia plant is like the old-fashioned bouquet aster, pretty but not graceful.

W. W. WILMORE.

Denver.

#### Coles' Kaiserins.

The accompanying illustration shows some Kaiserins as W. W. Coles, Kokomo, Ind., grows them. This vase was exhibited at the recent convention of the American Carnation Society in Chicago, and attracted much favorable comment. Mr. Coles has been unusually successful with the Kaiserin since its introduction five years ago, and has won so many premiums with it in various sections as to become familiar under the name of the Kaiserin King to many in the trade.

#### Profitable Mushroom Growing.

Mushroom growing has got to be a fad in this section. Many of the merchants and business men are attempting to grow them in their cellars during the spring and summer months, with some successes and many failures, and 1 am sure the growing of mushrooms would be profitable to the florist or market gardener in any city with 25,000 inhabitants, as every year they are more in demand; and in the months of August and September the small boy makes quite a stake gathering and peddling them from door to door.

This is the best time of year for beginners to try mushrooms, and an ideal place would be a shed built on the north or back wall of a three-fourth span rose house, which is usually about seven feethigh, the front wall of the shed being four feet, the roof double boarded, the ends

glass, this would give enough light to work by; seven feet is wide enough; and the bed formed by setting two unre-inch boards on edge, the back one six inches from the front wall, and the front one two feet six inches from the wall of rosehouse, making a four foot bed, and gives plenty of room for a wheelbarrow.

Success depends on the preparation of the manure and the spawning of the bed. For manure, get fresh horse droppings; this is easy to obtain by making arrangements with the stablemen at the livery stables, have them save it in barrels, so that if put outside it can be covered. This should be gathered every second day, and kept turned over to prevent violent heating. When enough manure has been collected to make the size of bed required, mix with about one-fourth its bulk of good fresh loam from sod that has been piled for two years, such soil as

nsed for potting, and be sure it is free from other fungi. Turn it over five or six times to get it thoroughly mixed, and as soon as it has begun to heat it will be in right shape to put in the bed. Put in a layer and tramp evenly, making about three layers to the bed, getting it even with the top of boards. If the beds are slow in heating, boards laid on top of the manure will soon start it, when they should be removed at once. The great point is to get it firmed evenly, so that it will heat evenly and not settle unevenly. When the temperature of the bed is on the decline and the thermometer has fallen below the 100 mark, the bed is ready for the spawn.

Take the bricks and break them into pieces the size of walnuts, make a hole in the manure about three inches deep, drop in the spawn and cover up firmly; plant in rows ten inches apart each way; in ten



KAISERIN AUGUSTA VICTORIA ROSES.

days or two weeks the bed will be ready to cover with soil, the same as used to mix with the manure. The covering need not be as heavy at the sides of the bed as in the center. Make it two and one-half inches in the center so that the center is a little higher than the edges; put it on as evenly as possible, and firm smoothly with the back of the spade. When all is completed, wait patiently for the mushrooms and look closely after the temperature and moisture in the shed. A steam or hot water pipe from the rose house is sufficient to maintain a temperature of 60°, and when the roses require heat the mushrooms will and vice versa. The atmosphere of the shed should always be kept charged with moisture.

I well remember the first mushroom bed I assisted in making in "Auld Scotland," and anxious I was to see the modes, and watched day after day for mushrooms, and thought it was a failure; but the old laborer who bossed the job would say, "have patience, man; have patience." It was just thirteen weeks until they began to show, and soon there were lots. The test we had for moisture was to hang a piece of writing paper from the roof and make a mark on it with ink. If the ink would run the air was moist enough; but if the ink did not run, we sprinkled the floor and sometimes the beds with "milk warm water." With four beds, or even three if they do well, mushrooms can be cut every day of the year, and I believe the profits would more than pay for the shed in a year.

#### Germantown and The Neck.

Those who know anything about Philadelphia know that it is a far ery from "The Neck" to "Germantown." In a city of some fourteen hundred thousand inhabitants there is necessarily much of the commonplace in a fourteen mile stretch. The focus of the best in retailing is crowded in a radius of about two miles from the magniticent city hall, and one does not expect to find much that is interesting in retailing outside of this limit. But in the course of my travels recently I have found two green spots far in the desert of the outlying city. One is the establishment of Albert Woltemate, in Germantown, the other John A. Shellem's, in "The Neck."

Just because Albert rides a bicycle, plays shuffleboard, rolls a good game at tenpins, and does not talk you to death, you must not run away with the idea that he is a case of brawn versus brain. Go out to his place in Germantown, see the large area of glass he has got, and the immense variety and excellence of his stock, but above all notice the store in front of the greenhouses, and facing on the main street and you will quickly realize that you have found a man with original ideas and gifted with the executive ability to put them into force. The proprietor was personally waiting on a lady cus-tomer when I walked in. He did it well, 100, I thought the right honorable had a space of garety about him I had never noticed before but you don't find out all about your young benedicts in a day, you know. I pretended not to be listening to the conversation

the conversation. Ah me, how nice! How softly modulated the voice, how agreeable the pose! All business, you say? No sir! I consider at a clear care. Why? Well, because corrything pointed that ways and be sides, and here's the clinicher—when the all was figured up and the amount stated the lady looked so delighted and said. Why Mr. Woltem ite! Is that all?" in a

gurgle that would have made a nightingale turn green with envy. By and by she departed, and with her the sunshine. Then my turn came. But his lordship was all dignity and business now; a big change, I can tell you. I found I could sell him neither timothy seed nor bulbs, nor any other old thing. Then I got reckless and said something about his prices being very reasonable sometimes, provided the lady was attractive. He went into an elaborate explanation about the value of doing the big-value-act as an advertisement once in a while, and I let him go on and flounder. By and by he saw that he had been and gone and given himself away, so he abruptly switched off and eaught up a shield with growing ferns on it, and began to rail at the man who invented such a troublesome thing to manage. I suppose the moral to this tale is, look out that you charge the ladies enough when the drammer is

However, Mrs. Blue Blood goes away, and John immediately becomes a demoerat again, orders out the team and drives his visitor down to his greenhouses about a mile further into the gullet of "The Neck." There are seventeen houses, all of modern construction, and one is surprised to find such extent and variety of stock as is here grown. Carnations are extensively grown; I noticed fine batches of Scott, Daybreak, McGowan and others, as well as the newer sorts, such as Victor, Flora Hill, Mrs. Bradt, etc. The crotons were a surprise; very fine, healthy, vigorous, large variety, and all sizes. No wonder they took first prize at our last flower show. Palms, especially areeas, are a big item and are well done. Roses were not at their best during my visit. Rubbers and Asparagus Sprengerii were worth noting for excellence of culture, and are extensively grown. One thing that took my fancy



A CORNER OF ALBERT WOLTEMATE'S STORE.

around. But chaff aside, you will find Mr. Woltemate's place well worth a visit at all seasons, with a warm welcome that makes up in sincerity what it lacks in effusiveness. I can't tell you any more about him just now because my other oasis in the desert has to get a few words.

Mr. Shellem's store is at Seventeenth and Tasker, and has two display greenhouses behind. It is not a large store, but is well arranged and fitted up with all modern conveniences. There is an air of brisk business around; always some customers being waited on, mostly of the middle class, although occasionally a stylish turnout is seen to stop in front. Mrs. Drexel Biddle, in all her splendor, walked in yesterday and put an abrupt end to a pleasant conversation between the pro-prietor and the drimmer. This may be a democratic country all right, but when the Cadwalladers and the Biddles and the Rittenhouses come around your wideawake florist is a worshipper of the aristocracy pretty quick, and the drummer takes a back seat, no matter who he is - were he like Artenus Ward's kungaroo, "the most amoosin' cuss in the whole menagerie," or even like William Scott's ideal drummer-that St. Albans Englishman who blends instruction with amusement and tales. I mean gets--your order without your knowing it.

greatly was a house of Luxonne violets; most charming sight, such a beautiful dark violet, of large size and very fragrant.

I must not spin my yarn too long, however, else my story of "The Neck" may get it in the neck (if you'll excuse that this once) when it reaches the editor, so will bid adieu to Mr. Shellem for the present.

G. C. Watson.

#### The American Carnation Society.

On October 15, 1891, this society was born and named in the City of Brotherly Love. About three weeks later it met and completed its organization in the city of New York. The chrysanthemum show, which was held that year in Madison Square Garden, was in progress at the same time.

at the same time.

In the year 1899 this society will again meet in the city of its birth. We bespeak for this beneficient organization a hearty welcome. This society has certainly, in the few short years of its existence, improved its patron flower, and all floriculture has benefited thereby. We say this because we believe that the production of flowers of superior quality benefits everybody who is connected with the sale of flowers. It was rarely indeed that we heard of carnations selling at whole-

sale at from \$3 to \$4 per hundred; now we frequently hear of their bringing double that amount. It is true that only novelties bring the larger price named at present; but I am inclined to the belief that the quality of flowers of some of the future standard varieties will be so far improved that \$8 to \$10 will readily be realized for them wholesale. Not only have the varieties been improved since the organization of the society, but the methods of culture have been improved also. Systematic grading has been another factor in the right direction.

Perhaps the most surprising fact under the circumstances is that the society itself is said to be not self-sustaining. Is the annual fee too high? Would three times as many carnation growers who have been either directly or indirectly benefited by the society pay \$1 annual dues than now under the \$2 fee? Would a registration fee enough to pay at least for the time and trouble of doing the necessary work be paid without any thought of creating a fund? Something ought to be done to give the society enough money to sustain itself. The question is, whether we, the beneficiaries, can afford to accept all that the society is doing for us without contributing something for what we receive. It hardly seems to be right to expect so much from the society and render so little to its support, as many carnation growers are doing. The trade papers might contribute something substantial for the very practical matter which this society has been the cause of said trade papers publishing in their columns for their readers. The writers have given their best thoughts and experiences freely. The withholding of the essays from their columns was opposed by the trade papers simply because they were getting something for nothing, and frequently better than they could by purchase, even if they were ever so willing to payfor it. I repeat there must be something wrong when a society like the American Carnation Society is doing so much good and yet is poor. According to the secretary's report numerous carnation growers-who are not members-write him, for information valuable to them, and yet are sufficiently thoughtless, or worse, to not enclose a 2-cent stamp to pay the postage on the reply. It seems strange that such things should be. There is one thing we can all do, and that is to hereafter enclose a 2-cent stamp to the secretary when writing to that official and a reply is expected. That will be one step towards reform. It is ten chances to one, when writing to the secretary, we are seeking information which is directly interesting to ourselves, and of no benefit whatever to either the secretary or the society.

Mr. Shelmire's idea of only offering cash prizes, or prizes of value, for only standard varieties would hardly benefit the carnation as a flower so much as offering inducements for the improvements of varieties as well as improvements in culture. Let the society's work be broad and deep even if it makes no cash by the operation. Let us devise ways and means for the American Carnation Society to make enough money to pay its way, and not throw the whole burden upon the willing few.

E. L.

#### New York.

ELEVENTH ANNUAL DINNER OF THE NEW YORK FLORISTS' CLUB.—DECORATIONS AND SPEECHES.—BUSINESS FAIR FOR THE SEASON.—LOCAL NOTES.

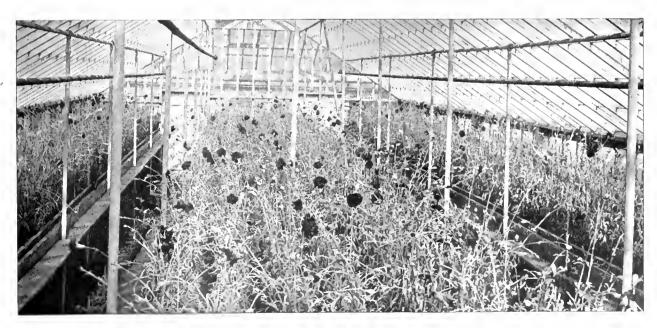
The Florists' Club dinner at the Arena on Saturday evening was the great event of last week. For a number of years interest in this affair has appeared to be dying out, but the effect of the active management so noticeable in the club this year seems to have been to waken up the members and so there was a double row of smiles, sixty-eight in number, lined up at the long table when the welcome "Gentlemen be seated" was spoken by President Plumb. Down the center of the table was a fine array of the choicest flowers to be found in the New York market contributed from the cream of their product by many generous hearted members of the organization. It was a great combination; orchids and dress suits, lilacs and oratory, roses and wit, daffodils and laughter, carnations and music all sandwiched in between courses of solid and liquid refreshments until the resultant expansion forced the partakers who had at first sat elbow to elbow, to sit sideways.

President Plumb made a few brief

introductory remarks when the oratorical course was reached. He referred to the present prosperity of the club as due to the fact that the members had put their shoulders to the wheel, and hoped that it would continue until the club should have a home of its own. He then introduced Mr. Patrick O'Mara as toastmaster. Mr. O'Mara first read a number of letters from various gentlemen and the representatives of several clubs, some of them undoubtedly genuine, others so full of sparkling humor as to be attributed to the fertile brain of the witty gentleman who presented them. According to these effusions, the absence of the representatives of the Philadelphia organization was due to a set-to between the Duke and the Tall Sycamore of Darby Road; the non-appearance of the Boston club was owing to the fact that its members, including Warren Ewell, were still shoveling snow, and the Baltimore club was too busy manning the oyster fleet for protection against Spanish attack. A very giddy communication from the San Jose scale, some heavenly verses by J. Austin Shaw and a volley of applause for the grand old man of Flatbush, Mr. Chas. Zeller, who was the sole representative of that once influential borough, concluded the overture and the regular performance then began.

then began.
"Our Night" was the first toast and Mr. John II. Taylor to whom it was referred handled it well. "The Society of American Florists" brought W. A. Manda to his feet whose sentiment that only one aim should actuate all, viz., the general good, even at some self sacrifice, was received with great applause.

Next came Prof. J. B. Smith, his subject being the "American Experiment Stations." He proclaimed himself an entomologist, until recently regarded as a "mild sort of hunatic" because of his interest in bugology and gave such an interesting account of his profession and the classification of bugs in variety, including gold, silver and straddle bugs, that it was manimously declared that he had "no flies on him" nor "scales" either. He



referred to the recent enactments for the exclusion of insect-infested plants as impracticable and said that the growers should depend more on their own efforts than on the law for protection. Knowledge, he declared to be what is most needed and this the experiment stations seek to impart.

W. N. Rudd, president of the American Carnation Society responded next for the "Sister Societies" and Dr. Britton of the New York Botanical Garden for the "Botanical Gardens." "Our Club, its Effect upon Society" was Treasurer C. B. Weathered's theme. "Charlie" divided his discourse into three heads, like a real minister, and proceeded with romantic logic to enlarge upon the glories of the social side of the club's life. The growers and the retailers were severally called upon to say a good word for themselves, The wholebut no response was clicited. salers being next called upon, John Young was presented as their spokesman, but he asked the band to respond for him, which asked the band to respond for him, which they did by playing a combination of "Streets of Cairo" and "Hot Time in the Old Town." Mex. Wallace spoke for the "Horticultural Press." R. W. Chucas for the "Seedsmen" and Mr. Brogan for his friends in general.

Mr. Herrington took care of the gar-deners' reputation and Mr. Imbert performed a similar service for the amateurs. Then came reciprocal compliments to the chairman, the toastmaster, John Turner and his assistants in the musical department and the decoration committee, tollowed by "Auld Lang Syne" and a medley of patriotic music, and the curtain was finally rung down somewhere between midnight and dawn.

Trade has started in very unsatisfactory this week. Large quantities of everything in the cut flower line are coming in and prices are very low on lily of the valley, carnations, roses, etc. Von Sion daffodils are improving. Smilax is still scarce. Violets badly in the dumps. Cut of Beauty roses is getting heavier and prices must soon take a drop.

M. A. Hart has taken the store at 44 W. Twenty-ninth street just vacated by H. A. Hofman

Cleary & Co. will begin their series of pring auction sales on March 16, with the usual stock of dormant imported trees, shrubs, etc., and will thereafter hold regular sales every Tuesday and Friday

The American Profest has just erected a handsome advertising sign at the Cut Flower Market on East Thirty-fourth street, directly opposite the entrance, and

it attracts much attention.

Mr. A. T. Dela Mare is not in sight and c is whispered that he has quietly slipped away on his honeymoon.

V. Low who has been here on a brief isit sailed for Lingland on the Teutonic, Lobrnary 23.

Alfred Immock arrived from England on Saturday 26th

Preent visitors. W. N. Rudd, Chicago, and P. J. Bonoghue, Lenox, Mass.

#### Greenhouses in the West.

The location of the greenhouses of L.F. Wiley, of Council Blutts, lows, is certainly an ideal one. They are built on a failly an ideal one. They are ount on a fallside, facing solith, and are protected from the north and northwest winds. Mout one fourth of the houses are built equal span, running north and south, and are mostly used for palms, forms and bedding steel. The balance of the houses are three quarter span, long span to the

south. These are used for the growing of roses, carnations and smilax.

The system of feeding is claimed to be very complete. Having a hill that gives about eighty-foot fall, two large eisterns are placed on the top. The manure is hauled there by the wagon-load, put into one and allowed to ferment, and then drawn off into the other, where it can be diluted to the proper strength for use. When this is required, the water is allowed to drain from the pipes, the hose then attached, and the liquid manure used with as much ease and as little trouble as though it were city water.

#### Philadelphia.

BUSINESS QUIET.-EASTER LILIES IN DE-MAND.—INTERESTING MEETING OF THE FLORISTS' CLUB,-W. P. CRAIG JOINS HIS FATHER IN BUSINESS.

Business is a trifle quieter and stock is commencing to accumulate. Prices have fallen very little as yet, however, those of last week being about the average. The quality of most of the flowers is quite up to standard. Early in the week Maids were off color, the sun burning it out of the soft buds formed during the cloudy days of last week. Brides are now coming in with that pretty blush tint so much admired by many, and the strong shoots now being thrown up by these teas are producing many specials. Car-nations are blooming a little more freely, and a fairly good flower can now be had for \$1.50 per 100. Varieties that can be called standard in this market are Mc-Gowan, Portia, Scott, Cartledge, Tidal Wave, Eldorado and Davbreak. These Wave, Eldorado and Daybreak. are the everyday always to-be-had kinds. Victor, Flora Hill and quite a few of the new ones are seen in limited quantities and are fine, but we doubt if any of the above mentioned list will be crowded out for the next year or two. We could not pick out the ones to be laid away. Quite a few Brunners are now coming in, Anderson, Burton and Heacock cach having a house in good condition. Four dollars per dozen is high, although we hear that one grower says that his best must bring \$5 or home they go to enrich his compost heap. There is nothing like independence; it was that which made this country what it is, and indifference to the appeals of the dealers has made some growers what

they are. It is rumored that one grower has sold his house, or all the good flowers at least, to an out of town firm; lucky grower! his compost heap is safe for this season at least.

We hear of a firm from out of town who want 5000 Harrisii eut lilies for the end of March. This will take about 1000 plants and carry off quite a few that escaped the disease. Although quite some distance away it behooves the dealer to get about if he desires the best for his Easter stock, as the particularly pretty plants are all too soon guarded with the label "sold."

Rambler roses will no doubt be in great demand, and the problem as to whether there will be lilies enough to go around will be settled in the next few weeks.

The March meeting of the club was all right; there was a good attendance and the proceedings were of such a character that none of the members were found asleep when President Harris declared the motion to adjourn carried. One active and three associate members were elected. It was decided by vote to arrange for a shad dinner and all present were declared responsible for any deficit in connection with the affair as no one voted in the negative. A committee was appointed to make the necessary arrangements for the meeting of the convention of the Carnation Society in 1899. The paper on carnations, by Wm. P. Craig, was one of the best on the subject ever read before the club. He told about varieties and their peculiarities as he knew them in a bold and fearless manner, and his essay should be read by all those intending to plant new varieties the coming season.

Mr. W. N. Rudd, of Chicago, who was present, said, in speaking of the recent carnation meeting and the varieties exhibited, that two very good kinds labored under difficulties and failed to get certificates, one the Wellesley, on account of arriving too early, and Maud Adams, because a plant did not accompany the exhibit. Both these varieties were very good and he thought deserving of certifieates, and probably failed to get them for the reasons given. Mr. Herr coincided with Mr. Rudd and said be thought Maud Adams a particularly fine variety and worthy of a certificate. Mr. Burton spoke of the variety Harrison's White, a supposed sport from Scott. He said that



GREENHOUSES OF J. F. WILCOX, COUNCIL BLUFFS, IOWA.

the introducers were being blamed unjustly for the failure of this kind the present season, as without exception all who had seen it growing last year were much pleased and purchased for the most part on their own judgment. This year it had failed everywhere and he thought it wrong to lay the blame on those who sent it out. as it was thought so good by all who had seen it. He could not account for the reversion of form. Mr. Robert Craig said it had seemed singular to him how this promising kind had turned out so badly. proving such a disappointment everywhere; he could not explain it. Mr. Burton said that to say it was not a sport from Scott was not enough, there must be something more. Mr. F. A. Chapman, of Grand Rapids, Mich., was at the meet-

The lily question is to be discussed at the April gathering, and great preparations are being made to make it of much

interest to growers of these plants.
William P. Craig, oldest son of Robert Craig, of Philadelphia, has been admitted to an interest in his father's business. On and after March 1 the firm will be Robert Craig & Son, and will combine the establishments at Forty-ninth and Market streets and Sixty-first and Market streets, the former being devoted mostly to commercial plants such as palms, rubbers, ficus, etc., and the latter to cut blooms, and young stock of roses and carnations. William P. Craig is 26 years of age and besides having been born and bred in the business, and actively identified with his father at the old homestead, he served an apprenticeship under John N. May at Summit, N. J., an able and energetic tutor whose influence on the young man's development has evidently been very marked.

#### London.

Chrysanthemums now take up so much attention and go so far in the way of supplying cut bloom throughout the winter that many other useful subjects seem in danger of being entirely neglected; however, if we get a few autumns like the past one, growers will get tired of going in for such large quantities of 'mums, for the prices realized cannot have been remunerative. In fact many growers must have sustained a considerable loss; for our markets were considerably over-stocked. As is always the case, some special sorts sold fairly well. Among yellows I may mention Modesto as being a general favorite. Western King proved to be one of the grandest whites, though at the national chrysanthemum society's show it was not so prominent as I expected to see it. Niveus was shown in grand condition, being far ahead of all other whites for size. Growers do not seem to make much advance in potchrysanthemums for exhibition; but for market work there is considerable advance shown, and these have been considerably better trade during the past season than cut blooms. think if our societies would encourage the culture of useful market size plants, by offering good prizes for collections of well-grown plants, it would be dwarf better than encouraging the large specimens, which are of little use except for exhibition. The same may be said of the large blooms on the tops of long single stems.

The weather being mild poinsettias have been used freely and few things found a more ready sale. I believe if the supply had been double what it was they would have all been cleared up. It is rather surprising that growers do not go

in for these more extensively for they take a short time compared with most flowering plants, and give little trouble. A common mistake is, perhaps that they are often started too early in the season, in which case they get too tall and are also more liable to lose their leaves. Strong cuttings put in early in July I find make the best plants. During the warm weather they are better without artificial heat, but as soon as the nights begin to get chilly heat must be given. They may be kept cool for a considerable time and will not appear to suffer, but as soon as they are given a higher temperature the leaves will drop off. When required only for cutting they may be planted out with advantage, and with good treatment will make larger bracts than when confined to pots.

Begonia Gloire de Lorraine is the most popular addition to our winter flowering plants that we have had for many years. It has been in commerce longer than many seem to think. It received a first-class certificate from the Royal Horticultural Society in 1893, and I believe it had then been in this country two or three years. Begonias usually drop their bloom so soon, that growers generally are prejudiced against them, but the above is quite an exception. Under fair conditions the bloom holds on well; this is perhaps owing to the absence of female flowers. However this may be, one thing is certain, that is, it would be difficult to find a more profuse and contimual flowering variety, the color is also of such a pleasing shade of pink. Mr. II. B. May was probably the first grower to popularize it. During last autumn a large house filled with it was a grand sight. The largest plants were in 6-inch pots, and measured a little over two feet in diameter, and about the same in height; these were perfect balls of pink. The first plants were well in flower about the middle of September, and now at the time of writing (February 8), there are still plants well covered with bloom. I may add that in spite of the prejudice against begonias, some thousands have been sold, and from first to last commanded a good price.

I lately saw a fine batch of Ficus radicans variegata at Mr. W. Bull's nursery. It is not yet in commerce, but I understand Mr. Bull intends offering it this spring. Good variegated plants edging are not too numerous, and this pretty drooping ficus will undoubtedly become a great favorite. Ficus repens is extensively used for covering walls, for hanging baskets and for the edging of groups; radicans is not so well known but is equally useful; the leaves are rather longer and more pointed. The variety referred to above has a broad marginal band of pure white. In a large batch of plants 1 saw no sign of its reverting to the green form. Some of the pots were suspended from the roof of the house and were beautifully covered with the bright green and white foliage. Dracena Sanderiana is a fine plant for

florists' work; the beautiful silvery grey foliage has a pure white margin. The leaves are small and short compared with most of the genus, and the plant grows quite erect. Singly there is not enough of it for a table plant, but three or more grown together in the same pot are very effective. Smaller plants are also very useful for mixing with ferns in baskets and

Asparagus Sprengerii does not seem to take as a pot plant, but for suspended baskets it is one of the finest plants we have, and it seems to thrive better when grown in this mannerthan when confined to pots. It makes such a quantity of thick, fleshy roots that it is difficult to get a good plant in a moderate sized pot. I have seen several specimens in flower, but it does not appear to set freely, though I have seen plants well berried, and when ripe the berries are of a bright coral red and add much to the beauty of the plant. It is when plants are grown cool and well exposed to air that they flower and set their berries best.

A friend of mine recently showed me a photograph of a monster chrysan-themum which he had received from Japan. It represented a single plant grown in a tub. It had 812 blooms, the smallest of which measured nearly nine inches across; the plant appeared to be of oval shape and tied out symmetrically. The measurements given were 10x15 feet and six and one-half feet high. This certainly beats the record as far as anything I have seen or heard of.

Few industries have made such rapid strides as horticulture under glass. The acres and acres of ground which have been covered with glass within the last few years indicate that the trade must be in a flourishing condition, for in addition to new firms springing up, all the leading growers add extensively every year. In traveling from nine to fifteen miles north London one sees new glass houses springing up in all directions. The modern glass houses are quite a different class of buildings to older erections; and though not so durable, a maximum amount of light is gained at a minimum cost. As an instance of the progress being made I may mention that one grower is adding fifty-two houses to his already extensive erections. These are upwards of 200 feet long and thirty feet wide. Grapes, tomatoes and cucumbers, command the greatest share of attention, though plants, both for cutting and pots, are by no means neglected. Mr. Thomas Rochford (an account of whose nurseries apeared in the AMERICAN FLORIST Some time ago) has long been known as one of our most suc-cessful plant growers, and has proved equally successful in his latest venture, orchid growing. He has now one of the healthiest and most extensive stocks in the country, and among importations some grand varieties have turned up.

#### LONDON CORRESPONDENT.

#### Worcester, Mass,

There has been considerable public interest in the parks commission of late, which has led to a good deal of argument in the papers and to disagreements within that board; and in consequence one member of the commission has already resigned, and another has announced his intention of resigning at an early date.

Mr. Chas. Greenwood has been elected city forester and will have about 10,000 shade trees under his care. Mr. Greenwood has been judge of vegetables at the Horticultural Society for a number of years.

The fourth annual meeting of the Massachusetts Fruit Growers' Association will be held at Horticultural Hall in this city, March 9 and 10.

Trade is brisk and flowers are plentiful.

ALLENTOWN, PA.—J. F. Horn is about to move his store from 514 Hamilton street, to 20 North Sixth street.

Columbus, O.—The Columbus Floral Co, have gone out of business.

# THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to se cure insertion in the issue for the following Saturday Address THE AMERICAN FLORIST CO., Chicago.

A very interesting letter from our Paris correspondent will appear in the next

SUBSCRIBERS who have paid their subscription for the year 1808 will be allowed a commission of fifty cents on each new paid subscription to the AMERICAN FLORist which they may send in.

IT SOMETIMES happens that copies of the AMERICAN FLORIST are lost in the mails. Notify us at once if the paper does not reach you regularly. Missing numbers will be replaced, and the cause of the trouble will be found and corrected.

#### Diseased Geraniums.

ED. AM. PLORIST:-The plants sent herewith for your examination were grown in a mixed greenhouse where the average temperature is about 60, and although taken from clean healthy stock in the field, many of the cuttings showed the disease before ready to take from the land. Some plants last year which were affected in the same way were set out in the horder, but did not seem to recover.

ARTHUR SMITH.

If the writer had carefully described the disease, as it appeared to him in the greenhouse and in the field, he would have done a good service to other florists, and have stood a better chance of obtaining the information he desires. The cuttings sent with the inquiry, somewhat belated in the mail and not in the best condition, showed blackened spots of irregular size and extent, especially upon the forming leaves. They looked like rotten spots during the early stages of decay especially when put into water. Presumably these spots occurred upon any part of the stem or leaves, but more particularly the voungest parts, enlarging indefinitely. As these specimens reached me, the spots were rather hard, having dried out more than the well parts.

Thorough examination shows the entire absence of any fungus or insect. dead cells are, however, infested with bacteria. These may be the cause of the disease, or they may be ordinary decay bacteria. It would be rash to attempt an equines, and uninquired and ample mater

ral can be e-an med

It it is a contagrous factorial disease, the diseased leaves and stems should be gathered and harned at frequent inter vids, and it the first opportunity the rouse short d be emptied and disintected notes since a be empired and distincted by the regular with burning sulphur, and the whole stock of germinums dis-arched and replenished from a distance. Burgura, due to cultural conditions,

Thick seer more prolande, only that it is and the persist of control doors, the lighting, whereing and ventilating should belowed to Andre penally watch for must be by viaging against. The trouble is reparent to standard and connected and the root [1] C. Vermer

## A Border of Herbaceous Plants.

ED. AM. FLORIST: I have a border seventy-five feet long and irregular in width, varing from four to six feet, which I desire to put in hardy stuff, so as to keep up a continuous bloom from May to November. It is fully exposed to the sun all day, facing south. Do not want any shrubbery, but principally stuff of a low growing nature. Please give me a list of suitable kinds with the number of each required, and their positions in the bed.

It is presumed that L. has duly prepared his border for planting, that the soil has been well mixed with old manure and is loosened to a good depth, for the plants to be introduced are not expected to be disturbed for some years, therefore they need all the food that can be stored up for them in the ground. To give the exact number of plants to be used in planting when I do not know what proportion of the horder is narrow or wider is not possible. The planting has to be done by some experienced person who has a fair knowledge of the habit and growth of these plants, because many of the low and dwarf species require close planting while rank or spreading growers need more room. If all were planted at an equal distance apart we would find bare spots in one section of the border and overcrowded patches in another, so the man intrusted with the arrangement should necessarily be familiar with the various subjects and use his judgment accordingly. It is far more satisfactory to plant in groups or irregularly shaped patches, using from five to twelve or even more plants of the same variety in each plot, than to adhere to the old way of mixing up single plants all over the bed; most of the plants show their individual characteristics to better advantage under such arrangement and the display of bloom is surely more effective when planted in masses. I will mention now a simple arrangement in which each species is planted in a separate patch and the planting may be begun at either end of the border, using the odd or uneven numhers in the back part of the bed because they grow taller than the others. 1. Aster corymbosus. 2. Polemonium reptans. 3. Centranthus ruber. 4. Iris pumila. Polygonum euspidatum, 6, (Enothera glauca. 7. Helenium antumnale. 8. Phlox amorna. 9. Monarda didyma. 10. Dicentra eximea. 11. Phlox sufruticosa. 12. Campanula Carpathica. 13. Rudbeckia hirta. 14. Daphne encorum. 15. Spiraca ulmaria fl. pl. 16. Phlox subulata alba. 17. Aquilegia cœrulea. Henchera sanguinea. 19. Gaillardia grandiflora 20. Lychnis semperflorens fl. pl. 21. Centanrea montana. 22. Lrysimum pulchellum. 23. Iris Germanica. 24. Armeria maritima. 25. Anemone Japonica. 26. Alyssum saxatile. 27. Rudbeckia pinnata. 28. Arabis alpina. 29 Delphinium hybridum, 30 ms viscaria tl. pl. [31] Coreopsis laneco lata, 32. Viola corunta, 33. Spiraea palmata elegans, 34. Papaver muli-caule 35. Pyrethrum rosemu 36. Dianthus cassus.

#### Boston.

CARNALION EXHIBITION. SINTE OF TRADE PITTER FISHER WISS THREE CUTS. CITEMIETES. SORTON'S BOY ROBBED

Business is fair, considering the season, but the balary, lamb like weather which has come in with the month of March has some reased the production of flowers that the accumulation in wholesalers' hands has forced pages down somewhat, with ]

prospects of a still heavier drop if present weather conditions should continue.

The competition for the cups offered at the exhibition of carnations held Saturday at the Florists' Market brought out an extensive display of novelties of 1898 which were greatly admired by a large number of carnationists from around Boston, and many visitors from a distance. Directly upon the center of the table in front of the door was a large vase of 100 blooms of Peter Fisher's scedling, Mrs. Thomas W. Lawson, and although there were many other handsome vases of the divine flower upon the other tables yet this certainly eclipsed them all, for the judges awarded this variety three of the four cups offered, the Breek cup for the best novelty, the Lawson cup for the best 100 blooms of any dark pink variety not yet disseminated and the Galvin cup for the best American seedling not yet disseminated. The Cottage Garden cup, presented by C. W. Ward for the best new scarlet carnation for commercial purposes, was awarded to F. A.

Blake, of Rochdale, for Bon Ton.

The growers of this vicinity were enabled to form a good idea of nearly all the novelties of the year, for the following were exhibited: Evelina, from Richard Witterstaetter, of Cincinnatti; Genesee, from D. B. Long, of Buffalo, and Argyle, from Stollery Bros., of Chicago. C. W. Ward made a fine display, showing White Cloud, John Young, Gold Nugget, Bon Ton, New York and Mrs. Jas. Dean. E. G Hill was on from Richmond, Ind., and staged vases of Arbutus, Scarlet Queen, Painted Lady, and some very handsome blooms of standard varieties. C. Besold, of Mineola, L. I., was also present with his beautiful pink seedling, Mrs. Frances Joost. 11. Grout, of Springfield, showed Conch Shell, and J. Tailby & Son made a fine display of their searlet novelty, Wellesley. H. Weber & Son, of Oakland, Wellesley. H. Weber & Son, of Oakland, Md., exhibited a handsome bunch of the new rose, Mrs. Robert Garrett. The earnations were judged by the scale of points adopted by the American Carnation Society. Wm. Nicholson, H. Weber and M. H. Norton acted as the judges.

One of the boys employed at Norton Bros.' was "held up" on Saturday evening by a man who had left an order, purporting to be from Mrs. J. L. Gardner, for a lot of violets to be sent to her residence with money sufficient to make change for a ten dollar bill. The boy started with the violets and money, and the fellow, who had accompanied him, pulled a revolver as they passed through an unfrequented place and demanded the money. The boy gave it up and returned in terror to the store. The police were at once notified but failed to eateh the highwayman, although it was afterwards learned that he had successfully worked the same game on a messenger from Galvin's store and two other places.

and two other places.

Reports from many places out of town tell of greenhouses flooded during the heavy rain storm of a week ago and more or less damage resulting from the putting out of fires under the boilers. The temperature was fortunately not low enough to cause any very great inpury to plants from exposine.

The Gardeners' and Florists' Club met on Tuesday evening and an audience of thirty two listened to a paper by Mr. Emil Mische, his subject being "The Emil Mische, his subject being "The Royal Gardens at Kew." The treasurer's report for 1897 was presented and ac-

cepted Visitors in town: E. G. Hill, Richmond, Ind., C. Besold, Mincoln, N. V.; H. Weber, Onkland, Md., W. H. Moon, Morrisville,

#### SITUATIONS, WANTS, FOR SALE,

Advertisementa under this head will be inserted at the rate of 10 centa a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1888 is entitled to a five-doe want adv. free to be used at any time during the year.

SITUATION WANTED-By a tirst-class rose grower; 15 years' experience. Good references. Address D W, care American Florist.

SITUATION WANTED-By young man to learn the florist trade; moderate wages.

J. B., 307 E. King St., Lancaster, Pa.

SITUATION WANTED—By a competent store man, late with Fredman; reference given by Chicago wholesale florists.

R A, care Am. Florist.

SITUATION WANTED—By a good general green-house and cut flower worker: 7 years' experience. Address WILLING. care American Florist.

SITUATION WANTED—By an experienced gardener and florist, Swede, to take charge of private place.

Address W. Nelson. 98 Sedgwick St., Chicago.

SITUATION WANTED—By retail cut flower worker and decorator. Best of reference; 15 years experience. Address BJ. care American Florist.

OlTUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age 33, married. W 5, care Am. Florist.

SITUATION WANTED—By A·I general cutflower grower; good decorator. Recommendations furnished; German American; 30 years old. Address V G, care American Florist.

SITUATION WANTED-By a competent fiorist, five years' experience, reliable in every respect, single; able to take charge; good wages expected. Address Y S, care American Florist.

SITUATION WANTED—By first-class cut flower grower: specialist in roses: 15 years' experience, married, age 32; state wages. Address  $F \ D \ C$ , care American Florist.

SITUATION WANTED—As foreman of a first-class cut flower growing establishment. In reply de-scribe place and name sa'ary. References. NIXON H. GANO, Richmond, Ind.

SITUATION WANTED—By an experienced gardener and florist to take charge of private or commercial place; age 38 married. Best of references.

CHICAGO care American Florist.

SITUATION WANTED—By young man to learn the florist trade; soher and reliable; state terms.

Address W. C. GREGORY.

Box 92. Markham P. O., Ontarlo, Canada.

SITUATION WANTED—By a florist and gardener; he can't do heavy work because he has had one leg broken, but is willing to do light work cheap. Address B, care Nissen, 201 W. 127th St., New York.

OITUATION WANTED — A competent seedsman wants situation with a reliable seed house; can speak Dutch, German or English; correspondence solicited. H. care American Florist.

SITUATION WANTED-By married man, as responding from the foreman; good grower of cut flowers and general greenhouse plants. First-class references; state wages. Address R. D. care Am. Floilst.

CITUATION WANTED—As foreman in first-class establishment; specialties, roses, 'mums, carmettons, orchids, etc.; life axperience; well up in other branches of the profession. C O, care Am Florist.

OITUATION WANTED—By practical florist, age 40, German, single; good grower of cut flowers and general bedding plauts; good wages expected. References. FLORIST, Cleveland State Hospital. Ohio.

NITUATION WANTED—By middle-aged gardener and florist with large experience in this country and Europe, especially in greenhouse culture of all kinds; private place preferred. Address

E. M. care American Florist.

SITUATION WANTED—by gardener, Swede (23), as assistant; understands greenhouse work in general, good worker, honest, sober, etc. State particulars. Address G.P. care Mrs. Coughian.

803 East ith St., So. Boston, Mass.

SITUATION WANTED—By practical florist of 17 years' experience, good out flower grower, roses, carnations, etc. Competent to take charge; would work on shares. Retriable care American Florist.

SITUATION WANTED -As foreman by practical florist and grower; specialty No. 1 roses, carnations, 'mums, violets, general stock, etc.; now disengaged; age 38. Best references. Address W 11. carc 164 E. Main St., Alliance, O

SITUATION WANTED—By practical, all-round flo-rist and gardener; 12 years' experience in eastern and western states. Al references from present and former employer; well op in Moral work. Address 11 T. 201 Creighton St., Ottawa, Canada.

SITUATION WANTED—By an experienced gardener and florist, to take charge of a private place; would like to go to California; Englishman, married, no family. Best of references. Address. JAS. CHEED, 724 Irving St., Syracuse, N. Y.

SITUATION WANTED—By an experienced grower of florists' stock, roses and carnations a specialty, as foreman; will invest \$500 in place if a live one and near a good market. For particulars address

BUSINESS PARTNER, care American Florist

SITUATION WANTED—By a fiorist with life experience in growing out flowers and plants as working foreman: has been holding a similar position; Am. Beauty a specialty; age 30 and married. Al references.

E. Y. care American Florist.

SITUATION WANTED—By a landscape gardener and florist, married 40 years old, experienced in flowers, regetables, fruits; not affaid of work; has tended horses and cow. Best of recommendations. Address J K, care American Florist.

SITUATION WANTED—As foreman with some refined party by a practical grower of roses carnatiora, violets, 'mums, palms, ferns and general stock, forcing of bulbs: a life experience: references OK. Address FOREMAN, care American Florist.

SITUATION WANTED—As manager of park or private place; young German-American desires engagement: thoroughly experienced in all branches. Can lurnish best of references; maried, family of two. Address R S L, care American Fiorist.

SITUATION WANTED—By a well-experienced foreman, a hustler, good manager, first-class rose and cut flower grower. Best of references. Only first-class partles need apply; open for engagement to suit employer. Address FOREMAN, care Am. Florist.

SITUATION WANTED-By a thorough, practical florist; German, single: 20 years' experience in all branches and 5 years' experience in growing roses and armations. Competent to take charge, References A1. Address FLORIST, 113 8th St., Cincinnatl, O.

SITUATION WANTED—By practical florist and rose grower: No 1 on Beauties and Meteors, good propusator, life experience; competent to take charge as foreman; middle see, married, small family Address FLORIST, care Max Von Geyon, 1633 Belmont Ave., Chicago.

CITUATION WANTED—By a first-class grower of roses, 'moms, carnstions, violets, etc. and general greenhouse stock, as working foreman or assistant in large commercial pisce; 16 years' experience, age 30, single; state wages. Best of references. Address GS, care American Florist

SITUATION WANTED—By young single man, gen-be al commercial place, 13 years' experience, all branches, England and America; specialities roses and carnations; sober and reliable. References. State particulars and wages. HARRY DINNELLY, 535 Pawincket Ave. Pawitocket, R. I.

SITUATION WANTED—By a laudscape gardener and flotlet. German. married, 25 years old; 20 years' experience in flowers, vegetables, fruits, care of pleas are grounds and bothouses; position in private park, cemetery or gentlemso's place in city or country. Best of recommendations. Address II SCHERWAT, care American Florist.

CITUATION WANTED—As foreman in cut flower setablishment, mostly roses and carnations: must be up to date in conveniences; by all-round man, single, American, nine years experience; don't use to-bacco or drink; west preferred gard wages expected. References. References.
2640 Cottage Grove Ave., Des Molnes, Ia.

SITUATION WANTED—By successful rose grower, who has devoted all his lifetime to rose culture; well posted in cut diower designs and bouquets; commercial place precipered; to suitable parties greatest satisfaction assured; satisfactory references. Address EMIL LEFEURE, 414 Hapkings St., Cincipnati, O.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, 'mums and general stock; life experience, married, see 30; has been foremen in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of reference. Address parties who wish is unserviewd of references. Address Rose Grower, care American Florist.

WANTED-The address of Carl Jorgensen, Dane, Amager. Address L. JENSEN, South Butte, Mont.

WANTED-A steady and reliable man for general greenhouse work. Address
H. MAENNER Maspeth, L. I., N. Y.

Wanted-Young man to take charge of florist business and take interest in business. Address New York, care American Florist:

WANTED-A man who thoroughly understands the growing of palms and ferns. Apply to VAUGHAN'S GREENHOUSES, Western Springs, Ill.

WANTED-From essterb Penna and northern Maryland, quotations on 300 cut carnations a week Lowest price on good stock. Address B. CARNATIONS, care Am. Florist.

W ANTED Rellable man with general knowledge of greenhouse stock and palms, principally beoding plants, to do propagating and look after two houses Address E. A. HOLTON, Morristown, N. J.

WANTED By the Greenville (Texas) Floral and Nursery Co., catalogues and wholesase price lists of reliable dealers in their line. They will buy a whole lot of stock and pay cash.

WANTED-Man, married or single, with general knowledge of horticulture, to work on airfcultural experiment station; wages \$40; orchard, greenhouse, garden; new country, buc climate. Address J. A. Balmer, Pullman, Wush.

WANTED-Young man 16 to 18 years old; only one who wants to devote bls full time to the study of the business; no previous experience necessary, but brains and posh, found. Address MASSACHUSETTS, care Am. Florist.

WANTED-A competent man for cut flower department and making up floral designs and bouquet work; also one that understands decorating and general greenhouse work. Apply
CHARLESTON GREENHOUSES,
309 Meeting St., Charleston, S. C.

WANTED-Young man thoroughly experienced in the best class of retail florist business; must be first-class in window, table and wedding decorations, also design "ork Apply with references, ability, etc., stating wages expected. J H DUNLOP, 445 Yonge St., Toronto, Can.

TO RENT-14,000 feet of glass consisting of 7 even-span, north and south houses, cear Philadelphia, X, care American Florist.

FOR SALE-One Alaska refrigerator in first-class condition.

JOHN H. ORTH & CO., McKeesport, Pa.

FOR RENT-Seven greenbouses, stocked; dwelling and land, steem heat; convenient for Baltimore wholesale market, and fair local trade. Address MARYLAND, care American Florist.

FOR SALE OR FOR RENT-Three greenhouses and residence at Rogers Park. For particulars call or address

P. G. Room 6, 127 Wells St., Chicago, Ill.

FOR RENT—Greenhouse. 6 (W) feet of glass on Main street; street care pass the door; store and dwell-lng house connected with same place S5 per month. P. N. SOETGA, 1692 Cedar Ave.. Cleveland, O.

POR SALE—Greenbouse plant of 5.000 feet of glass in Jamestown, N. D.; price \$1.500; ½ cash, balance may be pald in cut flowers. Address W. W. SEEKINS, 221 E 3rd St., Duluth, Mind.

FOR SALE—AD old-established fiorist business. Greenbouses well stocked; residence, outbuildings. 30 acres of land, on the line of R. R.; would sell before Easter for benefit of Easter trade. Denth cause of selling A. M. care American Florist,

Two greenhouses with 21 acres of land, in town of about 10,000, between two good markets. Buffaio and Rochester: reason for selling, recent death of proprietor. Address

27 Pearl St., Batavia, N. Y.

#### FOR SALE.

Greenhouses in one of the hest cities in Wisconsio. A good investment and a money maker for a huetler. Owner must retire on account of poor health.

For particulars write

A. LEHBNER, Wausau, Wis.

## WANTED.

Situation as grower or salesman in commercial establishment. Can furnish excellent recommendations. Eight years with Fred C. Becker. ANDREW.

45 Hancock St., Cambridge, Mass

# WANTED

A large quantity of Boston Fern. State size and lowest cash price per thousand. Address .

S J, care American Florist, Eastern Office, 67 Bromfield St., Boston, Mass.

## FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars ELLIS & POLLWORTH, write Milwaukee, Wis.

# A Business Chance

FOR any one who wishes to buy at a reasonable rate, a flower store located on one of our busy streets; don't apply unless you mean business, address all communications to

Wm. F. Kasting, 495 Washington St., Buffalo, N.Y.

#### Situation Wanted.

A COMPETENT MANACER of thorough ability and over 20 years' practical experience desires a position to take eather charge of private cetate, purk or Brat-class commercial place; an experienced cuttivator or pathas, orehids, thorists' stock in general, shrubbery, truit and vegetables; a good floral decorator, Thoroughly reliable, married, with small family, Good wages required. Address

FLORIST, care S. J. Nelson, 206 E. 28th St., New York.

THE "OLO RELIABLE" FOR

WHOLESALE

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

# WHOLESALE CUT FLOWERS AND FLORISTS SUPPLIES. WIRE WORK 88 WABASHAVE CHICAGO

# E. C. AMLING. WHOLESALE

51 WABASH AVENUE.

Consignments Solicited. CHICAGO. Prompt attention to shipping orders.

# A. G. PRINCE & CO. Wholesale Gut AND FLORISTS' SUPPLIES

#### ROOTED GARNATION GUTTINGS

Albertini and Brolesmaid, \$2,00 per 100; Daybreak, \$1,50 per 100; Lizzie McGowan, Iyory Lizzie Gilbert, Fred Dorner and Rose Queen, \$8,00 per 1000.

88 & 90 Webash Avenue,

Telephone Main 3208.

CHICAGO.

# WINTER & GLOVER.

21 Randolph St., CHICAGO.

# HIGH

PACKED RIGHT,

so they will reach you in just as good condition as they reach us.

PE DESIGNS: A Full Line. Write us for our Illustrated Catalogue.

# 

Vaughan, McKellar & Winterson

FLORISTS SUPPLIES FLORISTS SEEDS SPRING BULBS

All the leading varieties in Carnation Rooted Cuttings

Best varieties of Young Roses in 2%-in, Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000. \$7.50
Extra fine inived Gladioli Bulbs, per 1000. 12.50
Fine mixed Gladioli Bulbs, per 1000. 7.50 SEND FOR CATALOGUE.

Vaughan, McKellar & Winterson,

45-47-49 Wabash Ave., Chicago.

# Wholesale Flower Markets

|        | CHICAGO, March 4.                          |
|--------|--------------------------------------------|
| Roses  | . Beautles per doz. 1.50@4.00              |
| **     | Brides 3 f0@ 5 00                          |
| **     | Meteors, Bridesmaid, Kaiseriu., 3.00@ 5.00 |
| **     | Perle. Goutiers 2.006 1.00                 |
| 44     | La France. Testout 3.400 6.00              |
| Carna  | tiona, common 1 00kg 2 0kg                 |
| •      | fancy 2.00@ 5.00                           |
| Vlolet | 1850@ 1.73                                 |
| Narch  | ssus, Romana 2 00@ 3 0                     |
| Callas | 8.00@10.00                                 |
| Harri  | all                                        |
| Valle  | y 2.00@ 3 0                                |
| Tulip  | s 1.00@ 5.00                               |
| Von 8  | Sion 2.00                                  |
| Hyaci  | Inths 4.00@10.00                           |
| Adlar  | itum 1.66                                  |
| Smila  | x10.00@12 ()                               |
| Aspar  | ragus50.00@75.0                            |

Consignments Solicited.

All Florists' Supplies.

19 & 21 RANDOLPH STREET, Fine Stock a Specialty. CHICAGO.

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DON'T FORGET that we are at the old number, 126 Dearborn St., Chicago.

Write for special quotations on large orders



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404-412 E. 34th St. Near Ferry Open for Cut Flower Sales at 6 o'clock Every Morning..... DESIRABLE WALL SPACE TO RENT

FOR ADVERTISING.

JOHN DONALDSON, Secretary.

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111 West 30th Street, NEW YORK. Consignments Solicited. Telephone, 260 38th St.

Commission Dealer in

# Good Money for your Flowers.

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# THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733-18th.

**NEW YORK.** 

CONSIGNMENTS SOLICITED. Special Attention Given to Shipping Orders.

# ROGERS PARK FLORAL CO..

Wholesale Growers of

51 WABASH AVENUE,

CHICAGO. HEADQUARTERS FOR AMERICAN BEAUTIES.

BLADOLAR LERS

FOR AMERICAN

88 Wabash Ave. CHICAGO

# t flowers at Wholesale

ALL FLORISTS SUPPLIES.

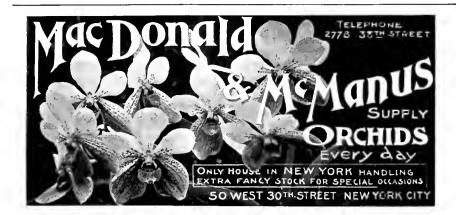
Greenhouses and Residence:

HINSDALE, ILLS.

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STORE: 88 Wabash Avenue, CHICAGO.

Long Distance 'Phone, Main 223.



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# TRAENDLY & SCHENCK. Wholesale Florists.

Control the stock of many celehrated growers and are prepared to quote prices on Firsl Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange, Tel. 961 18th Street. NEW YORK CITY.

# FRED. EHRET.

No. 1403 Fairmount Avenue.

Telephone, Long Distance.

PHILADELPHIA.

# Wholesale Flower Markets

| NEW YORK, March 2.                                      |
|---------------------------------------------------------|
| Roses, Beanty                                           |
| Br des. Bridesmaid 2 00% 6 00                           |
| " Testout, Carnot 3 00@ 8.00                            |
| " Morgan, Meteor                                        |
| Carnations                                              |
| fancy 1 50@ 3.00                                        |
| Valley                                                  |
| Mignonette 2 00/4 6,60                                  |
| Violeta                                                 |
| Harristi 4.00@ 6.00                                     |
| Tulips                                                  |
| Daffodils Jonquils                                      |
| BOSTON, March 2,                                        |
| Roses Beauties                                          |
| " Perie, Niphetos 2 00@ 4 00                            |
| " Bride, Bridesmald, Morgans 4 00@ 8.00                 |
| " Carnot Meteor 4.00@ 8 00                              |
| Carnations, ordinary 1.50 @ 2 50                        |
| " fancy 3 00@ 4.00                                      |
| Valley, Daffodils 2.00@ 3 00                            |
| Violets 35@ .75                                         |
| Freesia                                                 |
| Tuilps 2.00@ 3 00                                       |
| PHILADELPHIA March 2                                    |
| Roses, Beauties, per dezen 3 00@8.00                    |
| Teas, nists 1.000g 10 00                                |
| Be rect                                                 |
| Carnations                                              |
|                                                         |
| Vtolets                                                 |
| Hyacinths. 2,00@ 3,00                                   |
| Harrish 10.00@12 00                                     |
| D+ff-dils                                               |
| Tulips                                                  |
| A MILE POLICE 1 1111 11111 11111 11111 11111 11111 1111 |

# LUDLOW ST. PHILADELPHIA, PA.

# John I. Raynor,

49 WEST 28th STREET.

NEW YORK.

SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR. BRIDESMAID, BRIDE.

**Record Breaking Carnations** 

# Thos. Young, Jr.

\* \* Wholesale Florist

43 West 28th Street, New York.

WALTER F. SHERIDAN. WHOLESALE

# FLORIST

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

## Growers ose

Will find a good market and good returns for their stock at....

JULIUS LANG'S 53 W. 30th Street, -**NEW YORK.** 

Edward C. Horan, 34 W. 29th Street, NEW YORK,

# WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.

Price list on application.

WM. C. SMITH, Wholesale Florist,

40 So. 16th St., PHILADELPHIA.

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## FLOWER MARKET, 9 Chapman Place, 15 Province Street. BOSTON, MASS.

ed separate space in onr market. We gnarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

# J. K. ALLEN, Wholesale Florist,

57 West 28th Street, NEW YORK, near 6th Ave. Elevated R. R. NEW YORK, BEAUTIES AND VIOLETS, SPECIALTIES. Consignments Sollcited.

# GALVIN & CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES, 4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

# GEORGE A. SUTHERLAND, Cut Flowers & Florists' Supplies WHOLESALE.

67 Bromfield St.,

BOSTON, MASS.

JOBBERS IN Wholesale Florists

FLORISTS' VASES.

Harticultural Auctloneers. 84 HAWLEY STREET, . BOSTON.

# JOHN YOUNG, ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street. NEW YORK. Price list on application.

# FRANK MILLANG. CUT FLOWERS.

408 E. 34th Street,

ut Flower Exchange,

NF

#### Chicago.

BUSINESS FAIRLY GOOD. -- PRICES STEADY. --HENRY FRITZ ACCIDENTALLY KILLED .-DEATH OF A. H. SAXON.

Heretofore trade has been very dull during the first week or two in Lent; although not so good last week as it was the week before, still a fairly good business was done, both local and shipping. Many florists are agreeably surprised at the way business has kept up.

Harrisii lilies are coming in more plentifully, and are somewhat cheaper. are much improved in quality, and as the new crop is beginning to come in are

more abundant.

Hein Bros., of Blue Island, are shipping to Vaughan, McKellar & Winterson Albertini carnations that are the equal of any pink variety in the market.
G. II. Pieser, of Kennicott Bros. Co., is

back at his desk after a two weeks' sojourn in New Orleans.

Henry Fritz, who for several years was gardener to H. N. Higginbotham, was accidentally killed February 23 at Forty-seventh street and Ashland avenue; the accident was caused by a collision of a railroad train with an electric car of which he was the motorman, he having accepted a position on the electric road after leaving Mr. Higginbotham about a year ago. Mr. Fritz at the time of his death had about completed arrangements to start in the florist business this spring.

A. 11. Saxon, of Downer's Grove, died February 23 of consumption after a lingering illness, leaving a wife and five children—the youngest about 3 years of age—to mourn his loss. The family have the heartfelt sympathy of his many Chicago friends in this sad bereavement. Several Chicago florists attended the funeral, which was held last Sunday. Mr. Saxon was well and favorably known to many members of the Florists' Club, he having been a regular attendant at the club meetings a few years ago, when he lived in the city and was gardener for W. 11, Rand

Fred Hill will read a paper on "How to Grow Roses for Profit" at the next meet-ing of the Florists' Club. J. T. A.

# Asparagus Plumosus Nanus.

Strings 8 to 10 feet long. 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

# ROSES OWN ROOTS.

FIELD GROWN

4 - 2 to 4 feet out back to 2 fee

Yellow Rambler (Aglaix), Hybrid Perpetuals, Mosses, Hardy Climbers and Madame Plantler. These plants are very strong and well shaped. Prices on applica-Address tion.

W. U. HEIKES, Manager, Care WESTERN COLD STORAGE CO., 39 North State St., CHICACO, ILL.

# GERANIUMS that will please you and prices that will suit you

Hereniyatia #250 real part of the following section of the Mrs. Broads and a section of the manager of the section of the sectio

H. R. CARLTON, Willoughby, O.

INDIANAPOLIS.-Fire destroyed the pottery of the Vail Seed Co. of this city, on the night of March 1, and they will not be able to make pots for some time.

# Wholesale Flower Markets

|         | Cincinnati, March 3.                                                                                                                                                                                                                                 |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Boses.  | Beant) select                                                                                                                                                                                                                                        |
|         | " medium 15 W 25.10                                                                                                                                                                                                                                  |
| 46      | Brides 5 00@ : 00                                                                                                                                                                                                                                    |
| *4      | Bridesmalds 5 00@ 7.00                                                                                                                                                                                                                               |
| **      |                                                                                                                                                                                                                                                      |
| **      | Peries. 4 00@ 5 00<br>tions 1 50@ 2.00                                                                                                                                                                                                               |
| Carna   | tions 1 50@ 2.00                                                                                                                                                                                                                                     |
|         | fancy 3.00@ 4 00                                                                                                                                                                                                                                     |
| Valley  | Peries 4 00% 5 00 tions 1 50% 4 00% 5 00 fancy 3 00% 4 00 3 00 3 00                                                                                                                                                                                  |
| Roma    | ns 2.00@ 3.00                                                                                                                                                                                                                                        |
| Narcis  | 3 00<br>111s                                                                                                                                                                                                                                         |
| Daffor  | 1tle 3.00                                                                                                                                                                                                                                            |
| Vlolet  | 8 .51@ .75<br>911                                                                                                                                                                                                                                    |
| Harrie  | 81110.0004 [2] 50                                                                                                                                                                                                                                    |
| 81188   | 8.00@ 10.00                                                                                                                                                                                                                                          |
| Tunps   | 3.00 & 4.00<br>x                                                                                                                                                                                                                                     |
| Smila:  | K10.00@12 00                                                                                                                                                                                                                                         |
|         | 1 00                                                                                                                                                                                                                                                 |
| Aspar   | agus 50.00                                                                                                                                                                                                                                           |
|         | St. Louis, March 3.                                                                                                                                                                                                                                  |
| Roses   | Besutles.   5 00@35.00   Meteors   5 00@7.00   Brides, Bridesmalds   5 00@7.00   Perles   4 00@5.00                                                                                                                                                  |
|         | Meteors 5.00 4 7.00                                                                                                                                                                                                                                  |
|         | Brides, Bridesmaids 5.00@ 7.00                                                                                                                                                                                                                       |
| **      | Perles 4.00@ 5.00                                                                                                                                                                                                                                    |
|         | Wootton 3.00@ 5 00                                                                                                                                                                                                                                   |
| * 1     | La France 2.00@10.00                                                                                                                                                                                                                                 |
|         | Kaiserine 3.006 10.00                                                                                                                                                                                                                                |
|         | Peries 4.000 5.00 Wootton 3.000 5.00 La France 2.100 10.00 Kalserine 3.000 11.00 Carnot 4.00 a.00 0.00 S. California 2500 3.00 single 1500 25 12.50a 15.00 11.10 10.10 10.10 11.10 10.10 10.10 11.10 10.10 10.10 11.10 10.10 10.10 11.10 10.10 10.10 |
| Carna   | tlons 2.50@ 3 00                                                                                                                                                                                                                                     |
| Violet  | s. California                                                                                                                                                                                                                                        |
|         | single                                                                                                                                                                                                                                               |
| Valley  | 3.00 a 4 00                                                                                                                                                                                                                                          |
| Harris  | sii                                                                                                                                                                                                                                                  |
| Callas  |                                                                                                                                                                                                                                                      |
| Tumpa   | 3 1 0 5.00<br>seus, Romans 2 000 4.00<br>K 90.00 42.50                                                                                                                                                                                               |
| Narcis  | sus. Romans 2 1000 4.00                                                                                                                                                                                                                              |
| Smila   | U.tu@12.30                                                                                                                                                                                                                                           |
| rreesi  | a                                                                                                                                                                                                                                                    |
| D       | MILWAUKEE, March 4.                                                                                                                                                                                                                                  |
| noses.  | Beauty                                                                                                                                                                                                                                               |
| +4      | Duelo Bullo                                                                                                                                                                                                                                          |
| **      | Perle, Belle. 3 00@ 6.00<br>Metoors 3 00@ 8 00                                                                                                                                                                                                       |
| Coma    | Metcors a ung a uu                                                                                                                                                                                                                                   |
| Violet  | tions                                                                                                                                                                                                                                                |
| Roma    | 8. 3165 1.00<br>ns. 2 00 \$ 3 00<br>3 00 \$ 4 00                                                                                                                                                                                                     |
| Valler  | 2 00% 1 00                                                                                                                                                                                                                                           |
| L'rocel | 0.000 9.00                                                                                                                                                                                                                                           |
| Tullne  | Hypolytha 9 100 4 100                                                                                                                                                                                                                                |
| Yan S   | kans Tanantta 9 100 2 10                                                                                                                                                                                                                             |
| Callag  | as. 2 (10.5 3 19) 1. Hyacinths 2 (10.5 4 10.0 10.0 10.1 10.1 10.1 10.1 10.1 10                                                                                                                                                                       |
| Smile   | 10 (0c. 19 60                                                                                                                                                                                                                                        |
| Smira.  | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                |
|         | BUFFALO, March 3.                                                                                                                                                                                                                                    |
| Roses,  | Beauties 20.0kg in, 00                                                                                                                                                                                                                               |
|         | Brides, Bridesmaids, Meteors 6 05@ 10 00                                                                                                                                                                                                             |
|         | Peries 4 (0)(a) 6 00                                                                                                                                                                                                                                 |
| **      | Niphetos 4 000 6.00                                                                                                                                                                                                                                  |
| Cono-   | Kaiserin, Mermets                                                                                                                                                                                                                                    |
| carna   | Niphetos                                                                                                                                                                                                                                             |
| Valle-  | ordinary 1.50(a) 2.50                                                                                                                                                                                                                                |
| vaney   | 3.00% 4.00                                                                                                                                                                                                                                           |
| Floret  | 8 I 00@ 2 00                                                                                                                                                                                                                                         |
| Lione'  | 18 2.00@ 4.00                                                                                                                                                                                                                                        |
| Ample:  | 41. 15 00/6/20 00<br>c 12/50/6/15,00                                                                                                                                                                                                                 |
| Adlan   | tum 1 2.50% 15.00                                                                                                                                                                                                                                    |
|         |                                                                                                                                                                                                                                                      |





#### 5,000 SMILAX...

From thats by mall the ner 100 #4 00 per 1000 From 2 linch pots #1 to per 100, #1 (00 per 100) From Their pots #3 (00 per 100) wend for samples Cash with the order.

FRED BOERNER.

Cape May City, N. J.

# C. A. KUEHN. Wholesale Florist,

1122 PINE STREET.

ST. LOUIS. MO.

A complete line of Wire Designs.

# MOUND CITY CUT FLOWER CO.

Wholesale Florists.

CONSIGNMENTS SOLICITED Special attention given to shipping orders

FLOWERS .... wholesale.... ....ROSES, and a full line. Headquarters for the South West.... 

When writing mention American Floriat

# ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St. ST. LOUIS, MO.



OF SEASONABLE FLOWERS IN STOCK.

# F. KASTING WHOLESALE COMMISSION FLORIST...

495 Washington St., Buffalo, N. Y. Also Dealer in Florists' Supplies and Wire Designs

W. A. MCFADDEN.



NEAVE BUILDING, CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

CYCLAMEN PLANTS. JARDINIERE FERNS.

Quotations issued weekly, forwarded on request.

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The Wisconsin Flower Exchange. Fresh Cut Flowers, Florists' Supplies Manufacturers of WIRE DESIGNS

Constanments Solicited.

Phone Main 874.

457 Milwaukee St., MILWAUKEE.

#### Carnation Notes.

The season for good cuttings is quickly drawing to a close, and the percentage that will root decreases right along now. If the needs of next season have been figured up and the stock found short, it will be wise to get in all the cuttings that are required without delay, leaving a good margin for emergencies, as there are bound to be some rogues that will not be up to the standard when planting time comes. In the selection of cuttings at this time, one should be certain that they are ripe enough, for as the plants are making rapid growth, they form young shoots which are too sappy to root well unless allowed to become ripe.

The cutting benches will demand close watching in regard to shading and ven-tilation on dry days so as to keep the temperature even and cool; draughts should be avoided, and on warm days, when scarcely any fire heat is necessary, care must be exercised so as not to water the sand so freely as when firing hard to keep up the temperature. An intermediate condition of the rooting medium as to moisture suits the cuttings best.

The young plants which have been potted or boxed must not be neglected; they should be in a light airy place, and given enough artifical heat to prevent a damp atmosphere, at the same time not so much as to force the growth. A temperature of 50° at night, rising a few degrees in the daytime, with ample ventilation, is about right; and on close, warm nights a little ventilation will be found beneficial. Some growers transfer their young plants some growers transfer their young plants to frames, but I would not advise this course, especially in this locality, until all danger of very cold weather is past, for the covering, with consequent close atmosphere, which is necessary to keep out the cold, will cause a dampness which is detrimental to the well-being of carnations in any stage of their growth.

Young plants should be kept free from all weeds and the soil not allowed to become too dry or too wet. In the event of a scum forming, or the soil getting crusted, the surface should be loosened occasionally. С. W. Johnson.

#### Kennicott's Mongrel Carnation.

Mr. Flint Kennicott in his paper on carnations from the commission man's standpoint, read at the recent convention of the American Carnation Society, stated that variegated varieties are worthless commercially, except as novelties. Mr. Fred. Dorner now retorts by naming a new variegated, Kennicott's Mongrel. Some samples displayed at Kennicott's last Saturday show this to be an excellent variety in all respects but color, the larger part of the flower being a bright red, with a segment of the Mrs. Bradt

While Mr. Kennicott will stand by the plant as a novelty, he claims it is no mongrel. The term as he understands it means half of one color and half of another, but in this case the red of the flower is largely in excess of the variegated portion.

The flowers, with samples of Mrs. Bradt, Gold Nugget and others, were good examples of Mr. Dorner's high skill as a grower.

#### Greenhouse Building.

Frazer, Pa.-T. C. Morton, range of greenhouses.

York, Pa.—1. Curtis, one greenhouse. Milford, Mass.—A. J. Howard & Son. one greenhouse.

# TUBEROUS BEGONIAS

Belgian Strain, per 100... \$2 00 English Strain, per 100... 4 00 The English Strain of Bego-nias are rich in color and large

LILIUM SPECIOSUM RUBRUM, \$3.50 per 100 LILIUM SPECIOSUM ALBUM, \$4.50 per 100

Fine Nursery Stock such as Rhododendrons, Azaleas, Clématis, H. P. and Tree Roses. L. C. BOBBINK, Rutherford, N. J. Branch of The Horticultural Co., Boskoop, Holland

# The

READ WHAT THOSE THAT ARE GROWING IT HAVE TO SAY:

MOUNT GREENWOOD, ILL.

MR. FRED BREITMEYER,
Mt. Clemens, Mich..
DEAR Str:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted calyx the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing, also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care.

Yours truly, C. W. JOHNSON.

H. DALE, Cut Flower Grower, Brampton, Ontario.

MESSRS, J. BREITMEYER & SONS,
Mt. Clemens, Mich.,
Gents:—The plants of Cerise Queen which you sent me last spring for trial have done well; the flower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year.
Your truly, H. DALE.

DAILLEDOUZE BROS.

DAILLEDOUZE BROS., FATRUCK, BROKEYN, N. Y. JOHN BREITMEYER & SONS.
Mt. Clemens, Mich..
Gents: —We have a few plants of your No. 16, Cerise Queen, on trial; the flower is medium size, but fine color, in fact the only fault we flud is its dwarf habit; we should like to grow some for side benches, as we believe it far superior to Tidal Wave for that purpose, and should make a commercial variety, but not high priced. Please give us your best price on 1000 rooted cuttings.

Very Iruly yours,
DAILLEDOUZE BROS.

GEO, A. RACKHAM, Wholesale Grower, Detroit, Mich.

DETROIT, MICH.

J. BREITMEYER & SONS,
Mt. Clemens, Mich.,
DEAR SUBS:-In reply to yours asking as to my success with your No. 16, Ceruse Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.

Yours., GEO, A, RACKHAM.

We predict CERISE QUEEN is the coming Dark Pink Commercial Carnation. Orders booked and filled in rotation. Price, \$2 per doz.; \$10 per 100; \$75 per 1000. Maxor Pingree—the best of all yellows. Buy your stock from the Originators. Our stock is in excellent condition; \$5 per 100; \$40 per 1000, R. C.

JOHN BREITMEYER & SONS, Cor. Gratiot and Miami Aves DETROIT, MICH.

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ARNATION \*\*\*
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ded one send for it. ever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40.00 per 1000.

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#### Cleveland.

No features of local florticultural affairs call for special mention at this time. Business since Lent began (at least during the first week) has been satisfactory Socially, of course, business has suffered, but there has been a great deal of funeral work which served to keep the surplus from piling up seriously. The funeral of Robert Blu, who served a term as mayor, as well as having been a very prominent business man, used up a lot of stock. Nearly all the florists had a good deal of work for this occasion.

The regular club meeting of February 28th was devoted mostly to short discussions looking to proposed legislation regarding the control of diseases and insects troubling nursery stock, but no action was taken, as the matter did not appear to apply to stock in which florists are interested. Some carnation seedlings that have been grown by Carl Hagen-burger for the past three years, were shown by him and received much attention by reason of their attractiveness in color and general excellence. The most noteworthy were a white, a light pink, much resembling Daybreak in shade and a darker pink, of a very soft, pearly tint that was peculiarly interesting. Its only defect seemed to be a slight tendency toward weakness of stem, probably caused by the unfavorable quarters occupied by the plants. Even as shown, however, the tendency was but slightly noticeable and did not seriously detract from the merits of the bloom. All the seedlings were of excellent quality and showed careful attention on the part of the grower. After the adjournment the balance of the time was spent at ten-pins.

#### "Garden Making."

We have received through A. C. Mc-Clurg & Co., of Chicago, a copy of this new work by Prof. L. H. Bailey, the latest addition to the author's garden-craft series. There are some four hundred pages in the book, which pertains to landscape gardening and the making and equipment of vegetable, fruit and flower gardens. It is fully illustrated.

#### BRILLIANT GREEN AND BRONZE

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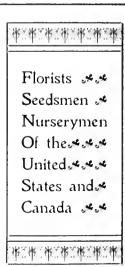
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#### Arrangement of Benches and Piping.

Replying to the request of "Subscriber" for information as to the best arrangement of benches and piping for the range of houses described on page 750, issue of February 12, I would suggest that for the houses for carnations and violets, solid beds be used. These should be seven feet wide and two feet high. The sides can be formed of plank or of grout, and all but eight or ten inches should be filled with broken brick, or similar material, to provide drainage. The center walk should be about two feet wide and the side walks about one and one-half. In the rose house a similar plan may be used, but the results will probably be more satisfactory if three raised beds each four feet wide are built. There will then be space for two walks of two feet each, and two along the sides of the house of one and one-half feet. In the show house and one of the others it will probably be best to have two benches along the sides of the house about three and one-half feet wide and a center bench of seven feet. propagating house there should be a bench along the north wall from three to three and one-half feet wide.

The writer has little choice between steam and hot water for a range of this size, but if anything would prefer hot water for heating it. In case the heater can be placed well below the level of the houses all of the pipes may be under the benches, although the circulation will be best in any case if the flow pipes are carried upon the iron posts that support the roofs, about one foot below the glass. For the rose house I would recommend three 2-inch flows and twelve 1½-inch returns; for the carnation house three flows and nine returns, and for the violet house two flows and eight returns. In the show room the piping should be the same as in the rose house, or the number of returns may be increased or diminished slightly. It would, perhaps, be as well to have twelve returns in this house and to use fourteen in the remaining 20-foot house.

The main supply pipe can be carried along the end of the houses upon the south wall of the work-room and propagating house. It will require a 5-inch pipe from the boiler and this can be reduced one-half inch after the pipes for each of the houses have been taken off. Two 4-inch pipes may be used if preferred. For the bottom heat in the propagating house four or five 2-inch pipes will be required in addition to the main supply pipe.

L. R. TAFT.

Louisiana, Mo.-W. L. Gatewood, for many years foreman of the Stark Nurseries, died February 23, from the effects of an operation performed for appendicitis.

# TELEGRAPH CODE

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Signed CH MOLIN.

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VISITED CHICAGO:—E. M. Parmelee, president John H. Allan Seed Co.; Frank T. Emerson, Mr. Roach.

MR II. II. HARRIES, of the Goodwin Harries Co., will make a business trip to the Pagific coast.

J. A. Salzer Seed Co., LaCrosse, Wis., claim 33% heavier sales over the corresponding period of last year.

I. L. CHILDS, Floral Park, N. Y., says the mail trade for February is 25% better than in 1897.

JAMES VICK'S SONS, Rochester, N. Y., report quite an improvement in their mail trade for the first half of February.

R. Ulrich, the well known landscape gardener, is in Omaha in connection with work on the Trans-Mississippi Exposi-

California reports large shipment of onion seed to Australia—very limited raintall renders outlook unpromising for onion seed crops.

DINGEE & CONARD COMPANY, of West Grove, Pa., report a heavy increase of mail trade sales as compared with February 1897.

W. ATLEE BURDEE & Co., Philadelphia, report that on the whole they have found the mail trade for February better than a year ago.

HENRY A. DREER, Philadelphia, reports a marked improvement in trade since the first of the year, both in mail department and locally.

IN THE WEST unseasonable snowy weather prevails, but the mail trade is reported ahead of 1897. In the northwest severe weather has hurt trade con-

F. Barteldes & Co., Lawrence, Kan., say they have received about 20% more mail orders up to this date, than during the same period in '97. The good crops in Kansas and the warm weather so early has caused this; the orders are about of the same size as usual. Below is a communication from one of their customers in Idaho, it shows where a good many people get their seeds nowadays.

"We are the only people here who buy seeds. The other people get them from

the government

#### Melons and Cucumbers in Adjoining Fields.

Your letter asking my views as to grow ing cucumbers and inclons in adjoining helds is received. This, perhaps, is a subject that the seed grower will naturally wish to avoid discussing publicly, but as it is of vital importance to the market gardener is well as to the private gar-dener it should be carefully considered by the growers. The generally accepted idea has been that encumbers and muskn clous will not miss or cross. The agri-cultural experiment stations have conducted experiments along this line, and I have yet to see a report where an actual cross or labrid has been produced, and yet are acceptable private individuals who can they have produced such invaris.

Myoweverse region lead metabelieve

that they was not be lardize. If this was

possible we would have to-day a considerable line of types half melon and half cucumber, whereas we have but three types that appear to stand midway between the two fruits—Vine Peach or Vegetable Orange, the little ornamental Pomegranate, and the Snake cucumbers. Any one of these will cross readily with muskmelons, while two at least will cross with cucumbers. 1 am strongly of the opinion that the isolated cases we read of, where it is said that a cross has been produced between a cucumber and a melon, can be traced to a little blood appearing from one or the other of the above varieties. I do not know the correct history or origin of these varieties, but do not think they are hybrids of either encumbers or muskmelons.

The matter of quality is different. For some six years I have watched closely to see what results, if any, would accrue from growing melons beside cucumbers. My advice now is, "Don't do it." While I question their actually mixing, yet, the delicate flavor of a melon is easily injured, and every effort should be made to retain all its spicy, aromatic qualities. Outside conditions may influence where they cannot control; eucumbers may influence quality where they cannot influence type. J. C. Robinson.

#### A Disclaimer from Bloomington, Ill.

In your last week's item from here, by your correspondent"Homo, "I am charged with attributing to the New England contingent malice and petty jealousies. I deny the charge, and know of no reason why such a charge should be made by anyone. Andrew Washburn, anyone.

#### Cut Flower Price Lists Received.

Kennicott Bros. Company, Chicago, III.; Bassett & Washburn, Chicago; W. A. McFadden, Cincinnati; Holton & Hunkel Co., Milwaukee: A. G. Prince & Co., Chicago.

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#### The Michigan Nursery Law.

I have learned that some of the transportation companies, and especially the express companies, have placed a wrong construction upon the recently enacted Michigan pursues law and the state of the contract of th to receive for shipment greenhouse plants and cut flowers that are not accompanied by a certificate of inspection. The law was only designed to cover the shipment of nursery stock, and several times it limits the operations of the law to "trees, shrubs, vines and plants, com-monly known as nursery stock." Realizing that, if the instructions that have been sent to local express agents from the headquarters of the companies are not changed, it will lead to a practical embargo upon the shipment of greenhouse plants to Michigan points, I have secured the following construction of the law, and statements as to its intentions, copies of which have been placed before the express companies.

tion of the law places greenhouse plants entirely outside its restrictions, and it is hoped that the express companies will at

The originators of the bill are much L. R. Taft.

Agricultural College, Mich.

Michigan nursery law and have refused

It will be observed that this construconce modify their instructions.

surprised at the action taken by the express companies, as a careful reading of the bill would have shown that it places shoping of plants of any kind, the only requirement being that, if they handled "trees, shrubs, etc., commonly known as nursery stock," that were not accommonly known as nursery stock," that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," that were not accommonly known as nursery stock, "that were not accommonly known as nursery stock," the stock is not a stock that we have not accommon to the stock that we have not accommon to the stock that we have not accommon that the stock that we have not accommon to the stock that the sto panied by a proper certificate, they should inform the state inspector, giving the names of the consignor and consignee. It in no way interferes with their receiving stock without a certificate nor does it require them to hold it until it has been inspected.

OFFICIAL INTERPRETATION OF THE LAW. As there seems to be some misunderstanding regarding Act 137, Michigan

laws of 1897, known as the San Jose scale law, in relation to the shipment of plants from without the state, the construction placed upon it by the undersigned, in whose hands the enforcement of the law has been placed by the State Board of Agriculture, is hereby given:

The intention of the framers of the law was that it should apply only to nursery stock, and except in one section the operation is expressly limited; although the section of the law relating to the duties of transportation companies does not contain the limiting phrase, we shall consider that the receiving and delivering of such greenhouse plants and cut flowers by transportation companies is in no way affected by this law.

In the enforcement of the law we shall not regard the shipment of greenhouse plants and cut flowers by transportation companies as coming within the operation of the law, and will only hold them responsible for failing to carry out the provisions of the law relating to the shipment of "trees, shrubs and plants, commonly known as nursery stock."

1. H. BUTTERFIELD, Sec'y State Board of Agriculture.
D. W. TRINE,

State Inspector of Nurseries and Orchards.

The undersigned hereby certify to the above intention of the law, and approve of the foregoing construction:

C. J. Monroe, Member and Vice-Pres. of the State Board of Agriculture.

CHAS. W. GARFIELD, Member of the State Board of Agriculture.

R. D. GRAHAM. Member of Michigan Legislature of 1897, introducer of the Michigan nursery law, and member of the legislative com-mittee of the State Horticultural Society.

ROLAND MORRILL, President of the State Horticultural Society and chairman of the legislative committee of the same.

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| Fyrenaica. Anthemis tinctoria.  Kelwayi Anemone Japonica Alba, 2 <sup>1</sup> / <sub>4</sub> in pots.  Elegans, 2 <sup>1</sup> / <sub>4</sub> in pots.  Whirlwind, 2 <sup>1</sup> / <sub>4</sub> in. pots.  Pennsylvanica, 2 <sup>1</sup> / <sub>4</sub> in. pots.  Aquilegia Ceruica, 3 in. pots.  Cary-antia, 3 in. pots.  Canadensis 3 in. pots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                              | 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Aquilegia Crerules. 3-in pots. Chry-antha. 3-in. p ts. Canadensis 3-in. pots. Californian Hybrids. 3-in. pots. Californian Hybrids. 3-in. pots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                              | 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Casala Marllandics (American Senna)<br>Campanula Alliariæf, lia, strong clumps,<br>Carpathics, blue and white.<br>Grossecki clumps,<br>Persictfolia Albs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                                                                                            | 2.00<br>8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Variegata, Gypsophils Paniculata, 1 year old Galliardia Grandiflora, 24-in. pots. Etong clumpa Hibbers "Crimeon Eve                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                              | $\frac{4.00}{5.00}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Trodecia Citibani 1276                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              | 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Heuchera Sanguinea, 24-in, pots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | }                                                                                            | 5 (M)<br>5 (M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hellanthus Multiforns ti pl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                                                                                            | J 00<br>5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| " Mollis."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | t                                                                                            | 5 00<br>5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hemerocallia Dumortieri                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                              | 00.6<br>100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Fulva<br>Flava<br>Kwanso, tlore pleno                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                              | 1.ԱՍ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| " Kwanso, flore pleno " Anrantisca Major (new)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                                                                                            | 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Aurantiaca Major (new).  Helentum Grandicephalum Striatum Hollybocks in superpeta colors. Appunt seedling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 21                                                                                           | 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Hollybocks in separate colors, August seedling<br>Hypericum Moserianum, strong one year old                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 78                                                                                           | ,00<br>5,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hypericum Moserianum, strong one year old.  "tricolorum, strong 1 yr. o tricolorum, strong 1 yr. o                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 78<br>old ,2                                                                                 | 5,00<br>5,00<br>5,00<br>5,00<br>5,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hypericum Moserianum, strong one year old<br>tricolorum, strong 1 yr. c<br>Iris Germanica. 12 distinct varieties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | sid ,2                                                                                       | 5,00<br>1 00<br>5 00<br>5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old<br>tricolorum, strong 1 yr. c<br>Iris Germanica. 12 distinct varieties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | sid ,2                                                                                       | 5,00<br>1 00<br>5 00<br>5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old<br>tricolorum, strong 1 yr. c<br>Iris Germanica. 12 distinct varieties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | sid ,2                                                                                       | 5,00<br>1 00<br>5 00<br>5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old.  Irle Germanica, 12 distinct varieties.  choice mixture.  Kæmpfert, 25 fine named sorts.  choice mixture.  choice mixture.  Venetialis.  Lychnis Sempertiorene Plenissima.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 bid 2 c                                                                                    | 5,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old.  Irle Germanica, 12 distinct varieties.  choice mixture.  Kæmpfert, 25 fine named sorts.  choice mixture.  choice mixture.  Venetialis.  Lychnis Sempertiorene Plenissima.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 bid 2 c                                                                                    | 5,00<br>5,00<br>5,00<br>6,00<br>5,00<br>6,00<br>6,00<br>6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old.  Irle Germanica, 12 distinct varieties.  choice mixture.  Kæmpfert, 25 fine named sorts.  choice mixture.  Orientalis.  Lychnis Semperitorens Plenissima.  Viscaria Alba Plena.  Splendens.  Lobella Cardinalis.  Lysimnebla Ciethroides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 bid 2 c                                                                                    | 5,00<br>5,00<br>5,00<br>6,00<br>6,00<br>6,00<br>6,00<br>6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old.  Irls Germanica, 12 distinct varieties.  Cholee mixtare.  Kæmpferl, 25 fine named sorts.  Orientalis.  Lychnis Semperiforens Plenissima.  Viscaria Alba Plena.  Splendens  Lychins Cardinalis.  Lyshum Cosems Superhum, 3-in, nota                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16 (10 (10 (10 (10 (10 (10 (10 (10 (10 (10                                                   | 5,00<br>5,00<br>5,00<br>6,00<br>6,00<br>6,00<br>6,00<br>6,00<br>6,00<br>6,00<br>6,00<br>6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hyperleum Monertanum, strong one year old. Irlocorum, atrong lyr. of I | 1616                                                                                         | 5,00<br>5,00<br>5,00<br>6,00<br>5,00<br>5,00<br>6,00<br>6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old.  Irle Germanica, 12 distinct varieties.  Cholee mixture.  Kæmpferl, 25 fine named sorts.  Orientalis.  Lychnis Semperiforens Plenissima.  Viscaria Alba Plena.  Splendens Lyshmebia Ciethroides Lythrum Rosenm Superbum, 3-in. pota.  Monarda Didyma  Rosea.  Enothera Fraseri (Evening Primrose)  Splendens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16 16 16 16 16 16 16 16 16 16 16 16 16 1                                                     | 5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Moserianum, strong one year old.  Irle Germanica, 12 distinct varieties.  Cholee mixture.  Kæmpferl, 25 fine named sorts.  Orientalis.  Lychnis Semperiforens Plenissima.  Viscaria Alba Plena.  Splendens Lyshmebia Ciethroides Lythrum Rosenm Superbum, 3-in. pota.  Monarda Didyma  Rosea.  Enothera Fraseri (Evening Primrose)  Splendens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16 16 16 16 16 16 16 16 16 16 16 16 16 1                                                     | 5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hypericum Monerianum, etrong one year old.  Irls Germanica, 12 distinct varieties.  choice mixture.  Kæmpferl, 25 fine named sorts.  choice mixture.  Orientalls.  Lychnis Semperiforens Plenissima.  Viscaria Alba Plena.  Splendens  Lythrum Rosenm Superbum, 3-In. pota.  Monarda Didyma  Kosea.  Enothera Fraseri (Evening Primrose  Splendens  Missouriensis.  Pardanthus Sinensis (Blackberry Lily).  Pinks, bardy Scotch, 5 varieties, clumps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16<br>16<br>16<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 5,00<br>J 00<br>J 00 |
| Hyperleum Monertanum, strong one year old. Irloclorum, atrong lyr. of the colorum, atrong lyr. of the colorum atrong lyr. of the  | 6                                                                                            | 5,00<br>J 40<br>J 40<br>J 60<br>J 70<br>J 70 |
| Hyperleum Monertanum, strong one year old. Irloclorum, atrong lyr. of the colorum, atrong lyr. of the colorum atrong lyr. of the  | 6                                                                                            | 5,00<br>J 40<br>J 40<br>J 60<br>J 70<br>J 70 |
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| Hypericum Monerianum, strong one year old.  Irle Germanica. 12 distinct varieties.  cholce mixture.  Kæmpferl, 25 fine named sorts.  Orientalis.  Lychnis Semperitorens Plenissima.  Viscaria Alba Plena.  Splendens.  Lobelia Cardinalis.  Lyshmicola Cichroides.  Lythrum Roseum Superbum, 3-in. pota.  Monarda Didyma.  (Enothera Fraserl (Evening Primrose.  Splendensis.  Pardanthus Sinensis (Blackberry Illy).  Platycodon Grandiflorum strong clumps.  Mariesi, strong clumps.  Paeoniaa. Tapanese tree vyrieties, 12 fine sorts.  Herbaccoun, 12 distinct colors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10 10 10 10 10 10 10 10 10 10 10 10 10 1                                                     | 5,00<br>0,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00<br>1,00 |
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| Hypericum Monertanum, strong one year old Irloctorum, atrong lyr. o Irloctorum, atrong lyr. o Irloctorum, atrong lyr. o Irloctorum, atrong lyr. o Orientalla. 12 distinct varieties.  Choice mixture.  Orientalla. oblice mixture.  Usearla Alba Plena.  Spiendens Lobella Cardinalla. Lysinnebla Ciethroides Lystinum Roseum Superbum, 3-in. pota. Monarda Didyma. Roses.  Enothera Freseri Ewening Primrose  Spiendens  Missouriensis.  Pardanthus Sinensis (Blackberry Lily). Pinka, bardy Scotch, 5 varieties, clumps.  Marlest, strong clumps  Paonias, Iapanese tree varieties, 2 fine sorts.  Herbaceous, 12 distinct colors.  Tenuifolis  Tenuifolis  Tenuifolis  Tenuifolis  Officinalls, double white. Phiox, 25 varieties. 2½-in. pots.  Officinalls, double white. Phiox, 25 varieties. 2½-in. pots.  Officinalls, double white. Phiox, 25 varieties. 2½-in. pots.  Officinalls, 3-in. pots.  Orientalls, 3-in. pots.  Orientalls, 3-in. pots.  Popples, Iceland, 2½-in. pots.  Orientalls, 3-in. pots.  Popples, Iceland, 2½-in. pots.  Orientalls, 3-in. pots.  Pumbagoo, Larpenie strong clumps Potentallas, in choice mixture, strong Primuta Vulgaris. English Primrose, clumps.  Rosen.  Pentstemon Gentlanoldes, 3-in. pots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10 10 10 10 10 10 10 10 10 10 10 10 10 1                                                     | 5:00<br>3:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00<br>6:00 |
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| Hypericum Monerianum, strong one year old Irls Germanica. 12 distinct varieties.  cholee mixture.  Lyshina Cholee mixture.  Cholee mixture.  Cholee mixture.  Cholee mixture.  Cholee mixture.  Cholee mixture.  Splendens.  Cholee mixture.  Cholee | 100                                                                                          | 5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00<br>6.00 |
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HENKY A. DREEK, 714 Chestnut St., PHILADELPHIA.

#### Ever Blooming Climbing Roses.

ED. AM. FLORIST:-Do you know of a hardy actual ever-blooming climbing rose? J. S. Benner. Reading, Pa.

It seems to me that the terms "hardy" and "ever-blooming" when coupled together and applied to the rose, are misnomers, and can be accepted only in a relative sense. It is true that varieties of roses are catalogued and spoken of generally as "ever-blooming," but I think a term which would very much better describe this class would be "continuous bloomer. We have these in many of the teas, and still more among the hybrid teas, such as Kaiserin, Testout, Carnot, etc., and in this class we have the nearest approach to a "continuous blooming" "positively hardy" rose; still none of them are hardy in the strictest sense under all conditions and in all sections of the country. I do not know of one solitary climbing rose which blooms continuously through the summer that could be considered hardy in the latitude of Reading, Pa.; if there is such an one in existence perhaps some of the readers of the Florist will be kind enough to name it.

ROBT. SIMPSON.

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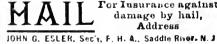
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THE NATIONAL Florists Board of Trade

#### Benches for Forcing Roses.

Mr. John N. May will, I hope, pardon me for presuming to fortify his memory on the bench question, for it seems to me he was far from the first to use benches for forcing roses in this country.

came here twenty six years ago (1872) and one of the first things I noted was Louis Baumann, of Germantown, doing that very thing on a bench several years old and containing but four inches

deep of soil.

During the next season (1873) I built a range of four houses for Senator "Don" Cameron, fitted on one side of the paths with benches, and on the other with solid beds. These were used for cucumbers, tomatoes, roses, bouvardias and several other things; they are still in good condi-tion. Among the rest 1 remember a lot of pot vines, Golden and Black Hamburgh, which John Paget, my successor turned into encumber or some other benches during spring, at my suggestion, and he subsequently informed me they produced splendid crops. This was an old British trick, and reminds me that benches have been used there for cucumbers and melons (shallow too) for at least fifty years.

I am under the impression, too, that the late "Billy" Wilson, of Astoria, imported the first Perle roses, and failing to realize their value, sold his whole stock to the late John Henderson of Flushing, who it may be remembered found them a "bonanza." James MacPherson.

Trenton, N. J.

# ROSE HILL NURSERIES.

JUST ARRIVED, ANOTHER SHIPMENT OF ----

Cocos Weddeliana SEEDS— \$5.75 per 1000 5000 lots, \$25.00.

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The most showy semi-climber of recent introduction, strong 3 irch plants now ready. Also Little Cem Callas, 2½ inches Logan Berries, Strawberry Raspberries, Mayberries. Write for list and prices.

The Conard & Jones Co. WEST GROVE,

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| Single, separate colors | \$3.00 | \$25.00 |
| Double, "               | 7.50   | 65.00   |
| Gloxinas, mixed         | , 4 00 | 35 00   |
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J. L. SCHILLER, 404 E. 34th St., New York. Sole Agent for Louis van Driessche, Ghent,

# DWARF PAPAYAS

M<sup>OST</sup> magnificent bedding and decorative plant known. Equal to a palm in beauty and manner of growth; grows with the case of the Ricinus and endures drought with impunity. Plants from 4-in, pots set out June 1st attained a height of 10 feet and though not watered once, remained fresh and vigorous throughout the extreme drought. Also produces a delicious fruit; as easily grown as a tomato. Our plants are propagated from a tree which has produced this winter 192 lbs. of fruit, the largest weighing 12 lbs. Send for half-tone illustration from photo showing bed of these plants. Every florist needs it. Price \$2.25 per 12 for 3-in, pots, ready May 1st. We are headquarters for tropical plants. Send for list.

#### Martin Benson, DONGOLA, ILLINOIS.

San Jose, Cal.—The residence of D. D. Brooks, manager of the Santa Clara Valley Fruit Company, was totally destroyed by fire February 19. The loss was \$3,500, about half covered by insur-

Nephrolepis Exaltata Bostoniensis. Strong plants. 6-inch pots, \$1.00 each: \$12.00 per doz.; also three varieties of PTERIS, bushy plants, 5-inch pots, 20c each: \$2.40 per doz.

JOHN WELSH YOUNG.

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LAGER & HURRELL, - Summit. N. J. Mention American Florist.

#### HARDY

# Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING The Reading Nursery, READING, MASS. ESTABLISHED 1854.

When writing mention the American Florist.

ROBERT CRAIG

ROSC.

Market and 49th Street, PHILAD

CERRERERERERERERERER

THY S ROBERT CRAIG Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA, PA.

# LARGE HEALTHY STOCK,

All measurements are from top of pot....

# Latania Borbonica

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Per 100 Per 1000

2 1-2 inch pot, 3 to 4 leaves, \$4.00 \$35.00 3-inch pot, 4 to 5 leaves, 8.00 70.00 4-inch pot, 4 to 5 leaves, 20.00

6-inch pot, 5 to 6 leaves, 18 to 20 inches

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

high and wide, 75 cents each.

# JOSEPH HEACOCK,

......WYNCOTE, near PHILADELPHIA, PA.



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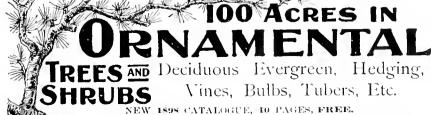
# EVERGREENS AND



FLORISTS AS WELL AS NURSERYMEN HANDLE MY NURSERY-GROWN EVERGREENS AT A BIG PROFIT

Leaders for this season. 300,000 transplanted Hemlocks Over 1,000,000 of the beautiful Rocky Mountain Evergreens. 200,000 Red Cedar from northern seed and millions of the old standard sorts, such as Spruces, Pines, Balsams and Arbor Vitæs. My trade list costs you nothing but a postal card.

D. HILL, Evergreen Specialist, = Dundee, III.



The. Wm H. Moon Co., MORRISVILLE, PENNA.

#### Roses Grafted on Manetti Stock.

On page 763 of the February 12 number of the American Florist, I notice an article on "Roses grafted on Manetti stock versus own root stock." As Mr. May has given his experience, I think it only right that I should give mine.

For several years past, I have been in the habit of importing budded and grafted roses on the Manetti. I have not offered these for sale, but kept them for stock purposes only, to change the stock of my plants where they were weak, and also to renew the stock. noticed that these plants when they became established in the beds, were much stronger and produced apparently more bloom than the own root stock, and at that time I was a firm believer in own root stock for all purposes. Three years ago 1 imported some winter forcing roses, dormant eyes, from the same source, and found that they would not stand the journey satisfactorily. I then determined to import the stock and graft my own. Last year was the first regu-lar planting that I made of Bride, Bridesmaid, Kaiserin, American Beauty and a few Souvenir du President Carnot. While I knew that the best results from grafted roses are obtained from solid beds, I had no solid beds to plant the roses in, and I planted them on benches along with the balance of my stock. During the months of August, September, October and November, the Kaiserins were very much stronger grafted on Manetti than on own roots, producing over double the quantity of bloom, and having much stronger stems. American Beauty made canes seven feet high by the first of September, to five feet canes on their own roots, while Brides and Brides-

# NATHAN SMITH & SON

Wholesale Florists

Specialties & ADRIAN, MICH.

CHRYSANTEMUMS CARNATIONS .\*.\*.\* AND VIOLETS

· · · CORRESPONDENCE SOLICITED · ·

maids were very much stronger than own root plants. As we do not grow our stock for cut flowers, but merely for wood to supply florists with young plants, we cannot make a comparative trial as regards bloom, but our experience has been that they are uniformly better for winterforcing than own root plants. Some of the prominent growers who grow them for cut flowers have been exceptionally successful. While we are very firm believers in the future usefulness of this class of plants, we would advise every one planting them for the first time to order fifty or 100 plants of each, in comparison with own root plants even on the benches; care, however, should be taken to plant roses that have been properly grafted upon good stocks.

For three years 1 have been watching closely and carefully winter forcing roses grafted on Manetti stock, and I can state without a moment's hesitation that they more bloom and of better produce quality than roses on their own roots. also know that several of the leading florists in Philadelphia will agree with ALEXANDER B. SCOTT.

| Rooted Carnation Cuttings | Pure, Healthy, No Rust. |
|---------------------------|-------------------------|
| Alaska                    | 1.00                    |
| Lizzie McGowan            | 1 00                    |
| Albertini                 | " 1.50                  |
| Jubliee                   | " 1.50                  |
| Della Fox                 |                         |
| lvory                     |                         |
| Trlumph                   |                         |
| Well packed and delivered | at American Express     |
| Office Coch with order    |                         |

Office. Cash with order.

LE MARS CREENHOUSES,
W. F. Will, Manager.

Le Mars. Iowa.

| DAYBREAK        | 5 per 100; \$10.00 per 1000 |
|-----------------|-----------------------------|
| TIDAL WAVE 1.25 |                             |
| McGOWAN 1.08    | per 100; 9.00 per 1000      |
| WM. SCOTT 75e   | per 100; 7.50 per 1000      |

CASH WITH ORDER.

LAKE GENEVA FLORAL CO., - Lake Geneva, Wis.

## BAKER'S NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer: largest size bloom.

RED JACKET—Bright red. fine stem and calyx; continuous cropper. \$10.00 per 100.

Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKRIH, Utica, N. Y.

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

#### HOPP & LEMKE,

Paul P. O., E. GRAND RAPIDS, MICH.

Premium-5 Red Wave with every 100

A RUST PROOF CARNATION FOR BUSINESS.

IS a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Vaughan, McKeller & Winterson's every Wednesday and Saturday.

Bright searlet and POSITIVELY RUST PROOF. As productive as Scott. Rooted Cuttings Feb. 15th. \$10 per 100, \$75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of '98, lifteen varieties of '97 and older standard sorts.

#### GEO. HANCOCK & SON. GRAND MAYEN. MICH.

SIOO REWARD will be oaid for any RUST found in our Carnations.
All Pure and Healthy. Throw out that old RUSTY
Stock, begin anew with clean stock.

WE HAVE NICE ROOTED CUTTINGS, A NO. 1.

Stoart.

Stoar

McDONALD & STEELE, 109 S. Washington St., Crawfordsville, Ind.

New Carnation

ARGYLE

Wins Certificate at Chicago. delay your orders and get left.....

Cuttings from sand, \$2.00 per doz.; \$10 per 100; \$75 per 1000.

Ewenty five (\$25) dollars will be offered for the best 50 blooms at November Show held in Chicago.

STOLLERY BROS., ARGYLE PARK, Chicago, III.

This is the second of the seco

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. W Surpasses Wm. Scott.

R. WITTERSTAETTER, Sedamsville, O.

#### Stocks for Easter.

ED. Am. FLORIST: -At what stage should Ed, Am. Florist. — Accused stocks be to flower for Easter.

W. Dunman.

The flower buds on stocks-some of the Matthiolas are meant, I presume—that are intended for Easter should be well forward by the time this appears in your columns. They are easier controlled if forward than if late, for this class of plant will not stand much heavy forcing. If the buds show well above the foliage at this time and are kept well up to the glass in a bright and airy greenhouse, and in a night temperature of from 52° to 56°, they should be in good shape for

#### Forcing Steam Through the Soil.

J. A. D., Cincinnati, O., writes: "I remember seeing somewhere a description of an arrangement for cooking soil in which no steam was returned to the boiler, but it was all forced through the soil. What is the objection to this? Has Mr. May noticed any bad effects on the soil by steaming?"

There is no objection to forcing all the steam through the soil except that it would take a continuous supply of fresh water to furnish the steam, and a good deal more fuel to supply the given amount of steam necessary; other than this, which is a considerable item of expense, I know of no objection whatever.

J. N. MAY.

# <sub>#</sub>\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ THE BEST OF THE NEW PINK CARNATIONS Mrs. Frances Joost. A WINNER EVERYWHERE. \$2.00 per dozen; \$10.00 per 100; \$75.00 per 1000 Cash with order. C. BESOLD, Mineola, L. I., N. Y.

# 

# Experiences ... WITH ... CARNATIONS The next number ready March I, will be cultural as well as descriptive, and sent free to all applicants. I Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Iriumph. ALBERT M. HERR, .... LANCASTER, PA.

# Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS.

Oakland, Md.

# NEW GARNATION "Mrs.S.A. Northway"

A soft shell pink, developing to nearly pure white.

## OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation. . .

PRICE: PER 100. \$10.00.

# Newer Geraniums.

# GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 21/2-in. pots, named. ROOTED CUTTING, \$12.50 per 1000. Net cash. & & & &

# 

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100. A. A. A.

# W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist & & & & &

> As originators and introducers of "Silver Spray," "Tidal Wave,"

"Daybreak," and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

# "Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower. It is free from rust or disease.

It is a profuse bloomer. It has excedingly strong stiff stems.

It is of exquisite form full and double.

The flower is high built. petals serrated.

The calyx does not burst.

It is delightfully fragrant (a quality lacking in many new ones.)

> SEND FOR

OUR PRICE LIST now ready, contains prices on many other plants.

W. P. SIMMONS & CO., Geneva, Ohio.

PRICE LIST of rooted cuttings of New Carnation

# GENESEE

| t doze | en or | up, prepaid | l by ma | il or ex | press 1 35 |     |     |
|--------|-------|-------------|---------|----------|------------|-----|-----|
| 25 (   | or up | (to t00) "  | - 11    |          | t0 00      | per | t00 |
| 100    | и.    | purchaser   | paying  | charges  | S.00       | per | 100 |
| 250    | 44    | **          | ***     | **       | 7.00       | per | t00 |
| 500    | **    | i i         | 6.6     | 11       | 6 75       | per | 100 |
| 1,000  | 6.6   | 4.4         | 4.4     |          |            |     |     |

Descriptive illustrated and priced circular free.

DAN'L B. LONG. Sales Agent, Buffalo, N. Y.

# SOUTH PARK FLORAL CO., New Castle, Ind.

AT THE MEETING OF-

American Carnation Society

WE GOT FIRST PRIZES ON .... ALBERTINI HELEN KELLER! AND ALASKA

NOT SO NEW & & & &

as some, but the flowers were so fine they attracted a great deal of attention. We have very fine rooted cuttings of the above for sale. Write for prices on them and other varieties.

#### The Omaha Exposition.

The building in which the horticultural display is to be made is well under way and all of the other buildings are practically completed.

About a dozen of the Trans-Mississippi and other states have already decided to participate in the horticultural exhibit and from the present outlook it will be better and larger than anything that has

ever been held in this territory.

About a dozen of the very strongest firms in the United States have agreed to assist in the supplying of plants for the decorating of lawns, and probably no other exposition of similar size has ever been so well equipped in that regard as is this one.

F. W. TAYLOR.

MARINETTE, WIS.—Geo. Vatter, the wellknown florist, has purchased the old Eggner property on State street, and will erect large greenhouses there. The main building will be 20x140 feet with two smaller ones on each side, parallel with it, 20x80 feet.

Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices, Address.

# CHAS. CHADWICK.

Lock Box II.

GRAND RAPIDS, MICH.

# CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Price's for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery). Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Psyche (Hill), Painted Lady
(Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

# New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.

3ic each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White

5ic each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRIST MAS—Late White

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898

## F. DORNER & SONS CO. LAFAYETTE, IND.

NEW CARNATION ....

# Empress

Send for price list of above. New and Standard Sorts....

WM. SWAYNE, Box 226, Kennett Square, Pa.

# ROOTED CARNATIONS

v. t, and a final W. Carriedge of the 43 to per 100

ROSES, from Bench or Pots.

W. H. GULLETT & SONS, Lincoln, III.

ONINE BROTHERS. Boston Demans 8 18,8

Jos Faithy + Sons Hellesley Mass Gentlemen.

We have handled the Wellesley carnation for the past signion the and can temp say it is the best scarletcamation in the market We find it very salable, as our flown reports one fy We recommend it to all florests as a leader

Hive Dotalim

# "WELLESLEY

Scored 90 points at the recent Boston Exhibition.

RECOGNIZED AS THE BEST ALL-ROUND CARNATION OF ITS COLOR YET PRODUCED.

**Rooted Cuttings** 

\$2 00 per dozen \$10 00 per hundred \$75 00 per thousand

# & SON, Wellesley,

IN REST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery. CHRYSANTHEMUMS. SMILAX.

VIOLETS. Prices low. Bend for Hat. WOOD BROTHERS, FISHKILL, N.Y.

# 50,000 Flat-Grown GARNATIONS

| STRO              | ONO  | . 8 | T | ·C | ) ( | 0 | ĸ  |      |      | 1 | ю | r 1  | DO.  | рег | HAVE |
|-------------------|------|-----|---|----|-----|---|----|------|------|---|---|------|------|-----|------|
| Imylitenk         |      |     |   | ,  |     |   |    |      |      |   |   | 83   | 381  | E1  | 5.00 |
| Montt             |      |     |   |    |     |   |    |      |      |   |   | 2    | 00   | 1   | 5 00 |
| Rose Odern        |      |     |   |    |     |   |    | <br> |      |   |   | 2    | 181  | 1   | 5.00 |
| Tidal Wave        |      |     |   |    |     |   |    | <br> | <br> |   |   | -1   | 341  | . 1 | 2.00 |
| Portin.           |      |     |   |    |     |   |    |      |      |   |   | -1   | 30   | 1   | 2.00 |
| Rob Roy (pew)     |      |     |   |    |     |   | Ċ  |      |      |   |   | Ш    | (A)  |     |      |
| Jubilion          |      |     |   |    |     |   |    | <br> |      |   |   | 31   | UH   | 1   |      |
| Show Oneen        |      |     |   |    | Ü   |   |    |      |      |   |   | 10   | DH.  |     |      |
| bliver sprny .    |      |     |   |    |     |   |    |      |      |   |   | 1    | 30   | - 1 | 2.00 |
| L McGuwan         |      |     |   |    |     |   |    |      |      |   |   | i    | .50  | 1   | 2.00 |
| Elderado, Moteer  |      |     |   |    |     |   |    |      |      |   |   | - 2  | .00  | )   |      |
| Floris IIIII      |      |     |   |    |     |   |    |      |      |   |   | - fi | ()() | 1   |      |
| Trhumph, Armazir  | rds. |     |   |    |     |   |    |      |      |   |   | 3    | 00   |     |      |
| Ploto, new, and l |      |     |   |    |     |   |    |      |      |   |   |      |      |     |      |
| varieties         |      |     |   |    |     | • |    |      |      |   |   | 10   | 100  | )   |      |
| Cash with order.  |      |     |   |    |     |   | ٠. | <br> |      |   |   |      |      |     |      |

# MARCH OFFER.

| 1'                                   | er 100 |
|--------------------------------------|--------|
| Alternanthera, Yellow, \$1.50: Red\$ | 2.00   |
| English Ivy                          | 3.00   |
| Bagonias, 5 var                      | 3.00   |
| Oxalis Floribunda                    | 2.50   |
| Ceraniums, 16 Var., 2-in. pots       | 2.50   |
| Pansy Plants                         | 1.00   |
|                                      |        |

JOS. H. CUNNINCHAM, Delaware, O.

# 40,000

STRONG HEALTHY PLANTS.
Daybreak, Se ti. Rose Queen, H. Keller, Harrison's White, \$1.75 per 100 or \$15.00 per 1000; Thomas Cartledge, Llyzle McGrowan, \$1.25 per 100, \$10.00 per 1000.
CHRYSANTHEMUMS, 24g-inch pots. Major Committon, \$2.00 per 100 or \$15.00 per 1000. President Smith, Eda Prasa, \$2.00 per 100 or \$1.00 per 1000.
VIOLETS, Marle Loube, 75c per 100 or \$5 per 1000.
CERANIUMS, mixed varieties, good strong plants 20g in, pots, showing flowers, \$2.00 per 100 or \$2.00 per 100.
Cash with order or satisfactory reference.

PAXTON GREENHOUSES,

C. E. Taube, Prop.

Harrisburg, Pa.

#### New Haven, Conn.

Two days of sunshine last week promise in a degree to relieve the dearth of carnations from which dealers hereabouts are suffering of late.

Tulips and hyacinths in seed pans seem to have driven out the demand in this

city for azaleas and cinerarias.

The success of Carl Rosein with violets and especially the California violet, has led him to plan the erection of a new greenhouse, 20x200 feet, to be devoted entirely to roses.

J. E. Killen, representing C. H. Joosten and J. McHutchinson, with August Rhotert, of New York, made their semiannual visit during the past week.

The leading event of the week was the annual banquet of the Sons of the Revolution at Music Hall, Tuesday. Governors of three states were among the noted gnests. The decorations in cut flowers were by J. N. Champion & Co., and consisted chiefly of the spring flowers.

J. A. P.

#### Harrisburg, Pa.

Business in general is improving. A number of entertainments and weddings have called for decorations and cut flowers, the carnation being more in demand this winter than ever before. The great number of dark days during the last month has greatly retarded the blooming plants.

Joseph Schmidt, one of our oldest florists, is very busy with funeral designs and wedding decorations.

The establishment of J. D. Brenneman was sold to-day by sheriff sale; it was bought by his brother—stock, horse, wagon and household furniture.

Mr. Paget, the florist of the State Asylum, has everything in first-class order; his greenhouses and plants are looking clean and bright. He is now laying out a long road, which work keeps him occupied every minute of his time. The asylum authorities are about to enlarge the institution, thereby giving Mr. Paget plenty to do and keeping him in good CARL E. TAUBE. spirits.

| :                                      | Per | 100  |
|----------------------------------------|-----|------|
| SMILAX, 3-inch pots                    |     |      |
| GERANIUM, S. A. Nutt, rooted cuttings. |     | 1.50 |
| CARNATIONS, rooted cuttings, Freedom,  |     | 4.00 |
| Jahn's Scarlet, " "                    |     | 3.00 |
| Daybreak (and others)                  |     | 2.00 |
| ECHEVERIA secunda glauca               |     | 4.00 |
| W. G. KRABER                           |     |      |

125 Florence St., New Bedford, Mass.

# 5000 GARDENIA FLORIDA

(CAPE JASMINE.)

3-inch pots, 810 inches high, \$8 per 100; \$70 per 1000. 25 000 Cannas, dormant roots, in 20 best sorts, \$20 per 1000.

Laraola Borbonica, 4-inch pots, I-2 choice leaves, 12-15 in., \$15 per 100.

Latenia Borbonica, 4-inch pota, 2-3 choice leaves, 15-18 in., \$20 per 100.

Phornix Reclinata, 4 Inch pots, 12-15 in., \$15 per 100, Phoenix Reclinata, 4-inch pots, 15-18 in., \$25 per 100. Oranges, best sorts, grafted, 4-inch pots, 10-12 in., \$20 per 100; 5-inch pots, 18-20 in., \$30 per 100

# P. J. BERCKMANS, Augusta, Ga.

To Glose Out at Once.

1000 Paul Marquant, 400 Duchess de Montmort & \$2.00; 300 Alphonse Bouvier, 800 Sarah Hill, 800 Mme. Crozy @ \$2.75; 300 Flamingo @ \$4.00. Cash with order.

C. E. UTLEY, Warsaw, Ind.

# 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our placts cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## \*\*\*VERBENAS.

The finest collection in America, 35 varieties, every one a gem-mammoth size, striking colors, green as grass. Strong rooted cuttings, 66c per hundred: \$5.00 per thousand; \$20.00. New Yellow Marguerite finest variety, strong 2-in. pot plants, 3c: rooted cuttings, 2c.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

ROOTED CUTTINGS. WELL ROOTED.

Crimson Bedder, Candidate Mrs. J. C. Vanghan, Fire e all, Lavender, Swayne's Beauty, Francis Peri, Pink Beauty, Aurora Borealts, Negro, Miss Arthur, Willie Hesmond, Mrs. Cleveland 15c per doz. 76c per 100; \$16.00 per 1000. All nice clean stuff. Express paid.

S. T. DANLEY, Macomb, Ills.

|                                     | 100    | 1000    |
|-------------------------------------|--------|---------|
| CANNAS, Crozy, Brouvier, Marquant   | \$2.75 | \$25.00 |
| btolle Amarile                      | 4 (10) | 420.00  |
| Italia Austria                      | 4.00   |         |
| IVY English strong 2-year           | 5 00   | 45,00   |
| CREVILLEA, strong. 2-feet           | 10 00  |         |
| DAHLIA, long stemmed, white         | 5.00   |         |
| HELIANTHUS multiflorus, from open., | 5,00   |         |
| EULALIA Japonica zebrina, strong    | 5,100  |         |
| EULALIA Japonica variegata, atrong  | 5.00   |         |
| CASH WITH ORDER                     | _      |         |

WM. McROBERTS, Jr., Govanstown, Md.

# GERANIUM*S*

# BEGONIAS

# and FUCHSIAS

SELECT NEW and good old standard sorts, the best to be found, up-to-date. 4 4 40 Varieties Geraniums, 4 25 Flowering Begonias, and a good assortment of Market Fuchsias. Let us know what you want and we will quote you prices low enough.

J. NICOL

Oak Street, & JERSEY CITY, N. J.

#### MAMMOTH VERBENAS

Fine selected stock in separate colors, Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

GLEMATIS Jackmanni, Henryii doz. 100 and others......\$3.00 \$20.00 H. P. ROSES Strong 2 and 3 years own roots. \$1.50 \$10.00 native red.

# F. A. BALLER, Bloomington, III.

# KLONDIKE.

Stock of the New COLEUS Klondike now ready.

William Scott says, "The finest thing I have seen for many a day." 2-in. 15c each; \$1.20 per doz.; \$6 per 100. TERMS CASH.

CARL HAGENBURGER, West Mentor, Ohio.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

| VERBENAS. Beauty of Oxford. Same in | Per 100 |
|-------------------------------------|---------|
| white                               | \$2.00  |
| SMILAX PLANTS                       | 2.00    |
| B-GONIAS, flowering                 | 2.00    |
| SMILAX, cut string 21/2 yards long  |         |
|                                     |         |
| VIOLETS, cut blooms                 | 75      |
| (Marie Louise and Swaniey White.)   | . 1.7   |
| CHRYSANTHEMUMS, 212-inch            | 2.00    |
| Please write for list.              | ₹.00    |
| ALBERT OTTO, - Neenah, Wis          | ١.      |
| ALBERTUITO, - Neenah, Wis           | ١.      |

# PELARGONIUMS

VERBENAS 25 of the best named tings. 60e per 100. Express prepaid. Cash with order.

S. D. BRANT THE CLAY CENTER FLORIST, CLAY CENTER, KAN.

# Verbena King



## ONE MILLION

to offer the following season in 55 of the latest and best mammath named varieties in cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all parts of the U. S. and Canada (a 60c per 100; \$5.50 per 1000; 5000 for \$25; 10,000

for \$45; 25,000 for \$100. Express prepaid.

HELIOTROPES, rooted cuttings, 10 named vars.. \$1 00 per 100; \$8,00 per 1000. Express prepaid.

CASH PLEASE.

C. HUMFELD, - Clay Center, Kan.

AZALEA INDICA We have an immense stock of all the best varieties, extremely full budded, of the following large size: 12 to 15 inch, \$6.00 per dozen: \$45.00 per dozen. ClierarAlfaS, 5-inch, bud and bloom, \$1.25 per dozen. Double Golden Marguerite Cuttings, by mail, \$1.50 per 100.

WHITTON & SONS, Wholesale Florists, City and Green Sts., UTICA, N. Y.

## \*\*\*\*\*\*\*\* WHY NOT....

Advertise and sell some rooted cuttings or other surplus stock.

\*\*\*\*\*\*\*\*

THIS SIZE "AD." ONLY \$1.00.

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LETTUCE-Blk Boaton, Boston Market, Tennis Ball, Grand Rapids and Reichner's Foreing, 15 ets. per 100; \$1,00 per 100)

per 100; \$1.00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. 15 cts. per 100; \$1 00 per 1000. Pepper and Egg Plants-25 cts per 100; \$2 00 per 1000. CAULIFLOWER, Snowball-35 cts per 100; \$2.5 per 1000; \$1 by mail add 10 cts, per 100 for small plants, and 50 cts, per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

#### Buffalo.

As usual we are getting the "reflex action" of the carnation meeting. The boys who were fortunate enough to attend are full of the subject, and they talk glibly of the new varieties. The stay-at-homes have been putting in some pretty good work, too, and between them, the prices are dropping.

Mr. Wm. McMillan, late superintendent of parks in this city, leaves this week for New Jersey to take charge of the Essex county parks. His friends gave him a farewell dinner at the "Genesce"

on Friday night.

The contract for the conservatories at the Botanic Garden has been signed and goes to Wurtz & Co. of this city. It is rumored that Illichings & Co., of New York, are interested in the contract. I understand that the contract calls for the completion of the range, with the exception of four medium sized houses, by August 1, 1898. If this is done there will be some of the tallest hustling on record.

More rumors of changes of location among the flower stores. This time it is Rebstock who is reported to have acquired a new store on the east side of Main street, not far from his present stand.

The following bill received here from a New York Custom House broker may be of interest to intending importers and will show how the government gets its war fund:

| Bull)S                           | 21.00  |
|----------------------------------|--------|
| Duty 25%                         |        |
| Dravage25                        |        |
| Appraisers storage31             |        |
| Freight and foreign charges 1.59 |        |
| Custom house entry1.00           | 241 1  |
| Total charges                    | \$3,40 |
|                                  | C.     |

#### Cincinnati.

The first week of Lent has been usually noted as a quiet one, but the demand of last week has been good all along the line. Roses and carnations incline to better crops. Tulips, although quite abundant, have held up in prices better than in previous years. Violets are plenthan in previous years. Violets are plen-tiful. Market last Saturday was exceptionally dull for this time of the year, owing to disagreeable weather. At this writing, March 1, we are having a heavy fall of damp snow.

The regular monthly meeting of the Cincinnati Florists' Society will be held March 12. This will be a special earna-tion meeting, and all those having carnations to exhibit are requested to send them to the H. L. Sunderbruch Co., Fourth and Walnut streets, in care of Rich Witterstactter, who will see that

they are staged correctly.

Wow' Bang" Bint"! Blim!"! and the life of Will Piciter was in danger with the last explosion. It all came about some-thing like this. Will has been hothered of late with carache. After arriving at the Sixth street market Saturday, he proceeded at once to a neighboring drug store, and to the clerk in charge related his tale of wor. He received a small hottle of liquid of which a few drops were supposed to be necessary to relieve Will of that terrible pain. Being cold and the Market house not the proper place to undergo such treatment, he made his way. over to lasher's wine house. The gas jet he thought was the proper place to warm that precious little bottle, which was to relieve his pain within five minutes, hardly had be held it over the blaze and the above Wow, Bang' Butt' Bum' could be heard as the bottle exploded. Mr Proterval, be more careful in the biture. with chemicals.

#### KLONDIKE

Cold Fields at Your Door.

Cold Fields at Your Door.

COLEUS—All kinds, all grades and all prices. Verschaffeitl and Queen. 75c per 100; \$6.00 per 1000; 2\(\frac{1}{2}\)-time bots, \$15.00 per 1000; \$1.75 per 100 \$6.00 per 1000; \$1.50 per 1000. Coleus la variety, \$5c per 100; \$1.50 per 1000, \$1.75 per 100 \$1.00 per 1000; \$1.50 per 1000. Accratum dwarf blue. 60c per 100; \$1.50 per 100. Fuchsias, standard sorts \$12.00 per 100; \$1.50 per 100. Fuchsias, standard sorts \$12.00 per 100; \$1.50 per 100. Fuchsias, sevra fine strain for flats. \$1.50 per 100; \$12.00 per 1000. \$12.00 per 1000; \$12.00 per 100; \$1.50 per 100. \$1.50 per 100; \$1.50 per 100. \$1.50 per 100; \$1.50 per 100. \$1.50 per 100; \$1.50 p

J. E. FELTHOUSEN, Schenectady, N. Y.



## 30,000 DAHLIAS

Before ordering your Dahila stock he sure and send for my catalogue noveltles and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

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# PEACOCK'S PRIZE WINNING DAHLIAS

Did you know that in 1896 Peacock's Dahlias were awarded sixteen (16) first prizes Did you know that in 1896 Peacock's Dahhas were awarded sixteen (16) first prizes at Philadelphia out of seventeen entries? And at the American Institute, Madison Square Garden, New York, the seven first prizes (all that were offered) and two special diplomas for Clifford W. Bruton and Wm. Agnew? That last vear(1897) at New York, they were awarded six of the seven first prizes and The Medal of Superiority of the American Institute, the highest award ever given Dahlias in America? That at Philadelphia—well, we won't say anything, as they were not in competition; but, read what the Philadelphia. Record of Sept. 22, 1897, says:

"Prominent above all the other exhibits is that of the Dahlia Society itself, includes an almost perfect assortment of all the Dahlias known in this country grown by W. P. Peacock, of Atco. N. J., but it was not in competition for prizes

New Illustrated Descriptive Whotesale Catalogue now ready; send for it before placing order elsewhere.

W. P. PEACOCK, ATCO, N. J.

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# Two Great Sports **CHRYSANTHEMUM** CARNATION PENNSYLVANIA

Undoubtedly the best Pink Carnution in commerce and certainly the most profile bloomer, perfectly healthy and of vigorous growth Rooted cuttins now ready, \$4.00 per 100. Come and see this carnution growing.

poses ever produced. Plants ready March 15, \$5.00 per doz.; \$35.00 per 100; \$250.00 per 1000.

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\*\*BOSS\*\* Chrysanthemums WM. H. CHADWICK—The grandest white novelty of the season. THE YELLOW FELLOW Winner of \$100 Stearns bicycle prize, MADELINE PRATT—"As pretty as her picture."

Distributed March 1st by leading firms and the grower. .... Grove P. Rawson, Elmira, N. Y.

# Jardinieres, Pots Pedestals



ADAPTED TO Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO...

#### Executive Committee Meeting of the S.A.F.

The Executive Committee of the Society of American Florists will hold a session at Washington on Tuesday, March 15. Suggestions will be in order as to matters that the society should take up for the benefit of the trade. All such communica-tions from whatever source will be wel-come and given careful consideration by the committee. Address the secretary, Wm. J. Stewart, 67 Bromfield street, Boston, Mass.

#### Fern Notes.

Referring to a recent article under this head, I wish Mr. Hemsley could have spent a few days with me in the northern part of Indiana on the swampy grounds of the Kankakee and Cedar Lake bottoms. The osmundas and struthiopteris in some places have complete control of territory acres and acres in extent. The Osmundas cinnamomea, gracilis and Claytoniana are colonized so positively as to exclude nearly every other plant except a few sedges and scirpuses. On little hummocks there may be seen a few Black Cap raspberries and occasionally the narrow leaved viburnum. With these exceptions there is no other shading. The struthiopterises are found in the shade of very tall elms, lindens and ash, with nothing else as a shading. Where these and the osmundas grow in the greatest luxuriance the whole of the surface is covered each spring with water six inches to two feet deep probably for a month, often longer. Osmundas and struthiopteris are to be found in all stages from the earliest prothalli to the mature plants perhaps a century old. The young plants have to go through a great many vicissitudes as a matter of course. I have seen young plants occasionally as thick together as I have known Nephrodium Molle as it appears in greenhouses. I shall be pleased to send Mr. H. spores in season.

J. THORPE.

PANSIES
The Jennings Strain of Finest Mixed Pansies....
Medium size, \$5 per 1000 express; 75c per 100 by mail. Seed of above, \$1 per packet; \$6 per ounce. Aster Seed, Semple's pink, \$1.50 per ounce. Large Pansies in bloom, ready March 20th. Cash with order.

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# FAXON'S "WHITE, PANSIES.

The best mixture in cultivation, flowers very tree, thick and velvety; of superb colors and tarkings. The perfection of form and texture. large, thic markings.

In Trade Packets at \$1.00 each. M. B. FAXON,

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Correspondence solicited.

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Neponset Paper Flower Pots, Pure Sheep Manure, and All Florists' Supplies.

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WE HAVE THEM! WE HAVE THEM!

> Columbian Medal. S. A. F. Certificate of Merit. First prizes wherever shown. Cushman's Celebrated Seedlings. A light mixture. No. 1, \$1.25 per 100; \$10.00 per 1000. No. 2, \$1.00 per 100, \$8 00 per 1000. Our No. 2 are fine bulbs, 11/2-in.

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# IMPORT ORDERS BOOKED

and placed with our growers, for summer and fall delivery of thorists' . . . . . .

# Forcing Bulbs and Plants

in as fine and reliable a quality as will be brought to this market in the season's best growth: Lily of the Valley, Roman Hyacinth, Harrisii, Longiflorum, Candidum, Calla, Freesia, Spiræa, Paper Whites, Daffodils, Tulips, Hyacinths, etc., Bulbs.

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Solicits early orders for following fine stock: NEPHROLEPIS, D. Furcans Very large, full of fronds, 3 feet over (i-lnch pots, fit for 8-lnch 1.00 9.00 NEPHROLEPIS, Bostoniensis 

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# Orders Please

| All the Leading Carnations Now Ready. Pe     | r 100  |
|----------------------------------------------|--------|
| Geraniums named, our selection only, 214-in. | \$2.00 |
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| Little Gem Feverfew, 214-in                  | 2.00   |
| Coleus, 20 best hedders, 214-in              | 1.50   |
| Lycopodium Denticulatum, 21 <sub>1</sub> -in | 2.00   |
| Tradescantia Multicolor, 24-in               | 2,00   |
| Alternanthera Aurea Nana and P. Major,       |        |
| 204-in                                       | 2,00   |

#### SEEDS

Mammoth Verbenas, Asters and Pausies only......\$1 00 per oz.

The Morris Floral Co. MORRIS, ILL.

# **SPRING** BULBS.

LILIUM AURATUM. Per 100 Per 1000

7-9 inch.....\$3.75 9-11 inch.....5.00 L. RUBRUM

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BEGONIAS TUBEROUS ROOTED...
Single, separate colors..... 30.00

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True Excelsior Pearl.
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Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00

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9 to 42 % 1 00 6 50 50c per 100 less on 7 9 inch and 9-12 inch sizes if shipped from New York.

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CHICAGO 84-86 Randolph St.

#### Rochester, N. Y.

Lent has not interfered with the flower trade so far; the demand continues about as good as before with a slight lowering in prices of some stock, but not in all cases. The market is tairly well supplied with the ordinary everyday stock, while but few shipments of select and fancy flowers arrive in town and these are eagerly taken up as soon as they come in; every body seems anxious to secure the best that is to be had. Roses are a little more plentiful, but not to excess by any means; prices have not changed. Carnations still hold their lown, although larger quantities come to market. Violets sell freely and are not at all scarce, but bring no fancy prices; those of goodquality can be bought at 60 to 75 cents; tulips are considerably cheaper excepting the large faucy pinks, which are not very plentiful. Double Von Sions sell in quantities, and have not seriously declined in price, though the singles are over abundant. Hyacinths do not move off as satisfactory as a week or two ago; valley is not overdone at present, but what is offered must be called A1; their scarcity has helped the treesias along.

The sales in plants have somewhat improved lately, though the demand is mostly confined to the cheaper class of stock, such as small genistas, cinerarias, the various bulbs and primroses; those fine azaleas, the well flowered lilacs, rhododendrons and metrosideros, which are offered in the stores do not move quite as promptly, but at any rate more freely

than they did in the earlier part of the month.

The first two months of the year show a gratifying increase in the bulk of retail trade over corresponding months of last

# NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 212-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

# H. WEBER & SONS, Oakland, Md.

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rots 100 Pots 21<sub>2</sub> \$2 50 3

Guaranteed first-class. Stoc temperature. Stock grown in low

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year, and as prospects for the future are not altogether without encouragement, hopes are entertained in all quarters for a continuation of prosperity throughout the remainder of the season. J. B. K. J. B. K.

# Rooted Cuttings...

Am. Beauties, Brides, Maids, V. Kaiserin, Perles, Belle Siebrecht, Meteors. Same in 2-in. pots ready Feb. 15th to 20th. Send 50c for samples and get prices.

#### GEO. A. KUHL, Pekin, III. Carnation Cuttings ready Feb. 1st.

New American Rose-

# MRS. ROBERT GARRETT

As one of the syndicate bolding stock in this rose we offer first class plants, from 245-inch pots, to be delivered on and after March 15, 188, at the agreed price of \$3.50 per doz., \$25.00 per 100, \$225.00 per 1000.

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#### YOUNG ROSES 300,000 300.000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb, Wootton, Pres. Carnot and 100 other leaders in Teas. H. Teas and Climbers.

Send for prices.

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## 250 BOXES 16x24 CLASS FOR SALE.

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Dear str. I must admit the Flora Hill cuttings
were the cost I ever had from anyone; all well-rooted
plps. If we could get such stock from everyone it
would be a pleasure to try new ones.

Yours Italy, JOHN MACRAE

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No scrub wood used. All stock thoroughly rooted and From 21/2-Inch Pots Per 100 Per 1000 Per 100 Per 1000 carefully packed when sent out. Send for samples ... ....\$4.00 .... 2.25 ... 2.25 ... 2.25 ... 2.25 AMERICAN BEAUTIES, Rooted Cuttings, \$2.50 BRIDES. 1.50 BRIDESMAID. 1.50 \$35,00 20,00 20,00 20,00 \$22.00... METEOR. KAISERIN PERLE. 12.50...1.50 12.50 1.50 12.50. Terms eash with order or goods sent C. O. D. Plants from 21/2-inch pots ready March 1.

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#### New Rose lara atson

Clear flesh pink s...
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10.00 per 100.
All the standard forcing kinds in A1 stock
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Nives .... \$3.00 per 100; \$25.00 per 1000. ...\$2.00 per 100; \$15.00 per 1000. Flora Hill..\$4.00 per 100; \$35.00 per 1000. No order for less than 100 of one variety accepted.

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Catalogues Received. J. H. Hale, South Glastonbury, Conn., fruits; Geo. A. Sweet Nursery Co., Dansville, N. Y., fruits; Barteldes & Co., Denver, Colo., seeds; Winthrop Gardens, Holliston, Mass., trees, shrubs and fruits; J. E. Wilson, Chitwood, Oregon, trees and shrubs; Wm. C. Babcock, Bridgman, Mich., fruits and plants; A. Lingham, Mich., fruits and plants; A. Lingham, Dungeness, Washington, seeds; John R. Childres, South Carrollton, Ky., fruits: Maud M. Briggs, El Paso, Texas, cacti; C. Jagd, Valley City, N. D., trees, shrubs and fruits; H. R. Cotta, Freeport Ill., fruits; McGeehon Nursery, Atlantic, Iowa, Freits; J. Poldwin Server, Manager, 1988, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1 fruits; S. J. Baldwin, Seneca, Kan., trees, shrubs and fruits; J. M. Russell & Co., Wymore, Neb., fruits; Evergreen Nursery Wymore, Neb., fruits; Evergreen Nursery Co., Evergreen, Wis., trees and shrubs; F. H. Ebeling, Syracuse, N. Y., seeds; Nathan Smith & Son, Adrian, Mich., plants; W. A. Manda, South Orange, N. J., seeds and plants; A. C. Anderson, Leigh, Neb., seeds and plants; J. M. T. Wright, Portland, Ind., fruits; Michigan Wild Flower Co. Rochester Wich, plants: Wild Flower Co., Rochester, Mich., plants; W. P. Peacock, Atco, N. J., plants; J. C. Plumb & Son, Milton, Wis., trees, shrubs and fruits; M. Keppler, Queens, N. Y., seeds; Geo. Pattington & Sons, Scipioville, N. Y., trees, shrubs and fruits; Horville, N. V., trees, shrubs and fruits; Horace Janney, Newton, Pa., trees, shrubs and fruits; S. C. DeCou, Moorestown, N. J., fruits; C. G. Nanz, Owensboro, K.v., plants; R. Johnston, Shortsville, N. Y., fruits; A. N. Jones, Newark, N. Y., seeds; Charles Black, Hightstown, N. J., fruits; H. Shroeder, Bloomington, Ill., fruits; E. V. Teas, Irvington, Ind., trees, shrubs and H. Shroeder, Bloomington, Ill., fruits; E. Y. Teas, Irvington, Ind., trees, shrubs and fruits; B. J. Wakeman, Chebanse, Ill., trees, shrubs and fruits; John W. Hall, Marion Station, Md., fruits; Frost & Co., Rochester, N. Y., trees and shrubs; Fred W. Kelsey, New York, trees, shrubs and fruits; Alton M. Shepherd, Minneapolis, Minn., fruits; Geo. A. Schultz, Jamesburg, N. J., fruits; G. R. Gause, & Co., Richmond, Ind., plants; Theo. Koss, Milwaukee, Wis., seeds; T. S. Hubbard Co, Fredonia, N. Y., fruits; D. Hill, Dundee, Ill., trees and shrubs; Thos. Meehan & Sons, Philadelphia, Pa., trees and shrubs; A. Ries, Carroll, Iowa, plants; H. C. Faust & Co., Philadelphia, Pa., seeds; S. C. Itall, Cherry Valley, Ill., trees, shrubs and fruits; Sunset Seed and Plant Co., San Francisco, Cal., plants; T. C. Thurlow, West Newbury, Mass., plants; Il. N. West Newbury, Mass., plants; II. N. Smith, South Sudbury, Mass., seeds; Harlan P. Kelsey, Boston, Mass., plants; M. Butterfield, Lee's Summit, Mo., trees, shrubs and fruits; Joseph Brown, Nash-ville, Tenn., plants; Elizabeth Nursery Co., Elizabeth, N. J., trees, shrubs and fruits; Charles Fremd, Rye, N. Y., trees and plants; F. H. Horsford, Charlotte, Vt., trees, shrubs and plants; Chas. B. Hornor & Son, Mount Holly, N. J., trees, shrubs and fruits; John R. & Wm. Parry, Parry, N. J., trees, shrubs and fruits; Chas. Wright, Seaford, Del., fruits; Phoenix Nursery Co., Bloomington, Ill., trees, mx Aursery Co., Bloomington, III., trees, shrubs and fruits; A. L. Mitchell, Denver, Colo., seeds; V. Lemoine, Nancy, France, plants; Vilmorin-Andrieux & Co., Paris, France, plants; Wilhelm Muhle, Temesyar, Wilhelm Muhle, Temesyar, France, plants; Wilhelm Muhle, Temesvar, Hungary, seeds; Henry W. Gibbons, New York, N. Y., heating apparatus; Dingee & Conard Co., West Grove, Pa., plants, seeds and bulbs; Pinehurst Nurseries, Pinehurst, N. C., plants; Wood Bros., Fishkill, N. Y., plants; J. Chas. McCullough, Cincinnati, O., seeds, bulbs and plants; Geo. Hancock & Son, Grand Haven, Mich., plants; H. Weber & Sons, Oakland, Md., plants; Vick & Hill Co., Rochester, N. Y., plants; Dan'l B, Long, Buffalo, N. Y., plants; Wm. F. Kasting, Buffalo, N. Y., florists' supplies.

Princeton, Ind.—Chas. Shannon is home again after paying a visit to Chicago, where he has been for the purpose of getting new ideas relative to the florist business.

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New Fruits and rare Ornamentals. Shade Trees. Shrubbery, Private, Specialities. 100,000 Peach at lowest prices. Catalogue free. Agents wanted.

(Heather.) & Save 25 per cent. Duty and Ocean Freight. 3 3

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|       |                                               | Per 100        |
| FRICA | persoluta alba for growing on                 | <b>9</b> 15.00 |
|       |                                               |                |
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| **    | Persoluta alba                                |                |
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Drop a postal and get a leaflet "How to Grow Begonia Semperflorens from Seed." Vernon is a shining example of this type. Sutton's, the celebrated English Seed House, offer improved selection of Semperflorens, of which the following are of great merit: Crimson Gem. Coral Gem and Duchess of Edinburgh; the colors are red, rose and blush. We offer liberal trade packets of American saved seed at \$1.00 each; one-half packets at 50 cents.

CASH WIFH ORDER.

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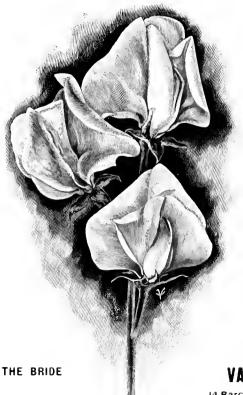


Put a dollar bill in an envelope and get u by trade packet of each of the above, or if you only want to experiment we will send you a mixed packet for a quarter, silver or one cent stamps. Our tests show the vitality much better than imported seed. These Begonias are great, either for bedding or pots—always in bloom—Semperflorens means everblooming. Seed sown now will make line plants for Spring sales.

Cash with the Order. Money Order P. O. Station H.

A. H. LONSDALE CO..

Specialists, Station H, PHILADELPHIA, PA.





Originated by M. Eynch, Menlo Park, Calif.

M. Eynch, Menlo Park, Calif.

THE BRIDE This beautiful large, whateseeded variety is the best
White Sweet Pea to date. It is a pure white
selection from Mrs. Eckford and is the
strongest germinator among all the whiteseeded varieties—so often poor growers.
Grown for the cut-flower market of San
Francisco in competition with the other high
class whites, it has brought the highest figtres over them all, taking first rank among
all the whites. The flowers are pure white of
line substance, large and of true grandiflora
type. Beside this every seed will grow. Perfect flowers were cut as carly as April 16 last
year. Price, per lb., \$2.00; 1-4 lb., 60c; oz.,
20c; 'pkt., 10c.

The Cornell Bulletin in naming the best Sweet Peas of each color, classes The Bride first as a white, with Emily Henderson second and Blanche Burpee tolid.

Frank Pelicano, a leading florist of San Fran-cisco, stated: "We can self more Bride Sweet Pea blooms than those of any other variety which we bave ever handled."

Prof. Tracy. In a recent review of some of the newer Sweet Peas says: "The especial merit of this variety (Tbe Bride) is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, being one of our best sorts in these respects, and forming an exceedingly graceful banch."

Mr. Lynch has sent us his entire stock which we offer to the trade as above

VAUGHAN'S SEED STORE.

14 Barclay St., NEW YORK. 84 & 86 Randolph St., CHICACO.

#### San Francisco.

TRADE DULL AND PRICES DOWN .- SUCCESS: FUL FLOWER SHOW .- PERSONAL MEN-TION .- BAD WEATHER FOR SEEDS.

Trade in this city has fallen off considerably during the past month, and as a consequence prices of nearly all classes of stuff have taken quite a drop. We have had an unusually cold, dry winter, which did much damage to all outside stuff, such as violets, etc. A little rain fell during the past week which helped the violets along considerably, but as yet the quality is not what it should be. Prices of Marie Louise and Californias are from 75 cents to 81 per dozen bunches; Princess of Wales brings a shade higher figure and is becoming very popular. The new Giant, or Golden Gate, as it is sometimes called, seems to have fallen from grace entirely, and the demand for it is dead. Swanley White is bringing about the same figure as Marie Louise. There is practically no demand whatever for the Czar. Some of the Chinese flower growers in San Matco county are bringing in large quantities of violets which they are willing to dispose of at any figure, and consequently the street fakirs are their largest customers.

Roses are hardly so good as they have been all winter but the prices on good stuff has held its own fairly well. Good Brides and Bridesmaid still bring \$1 per dozen, while poor stock brings about 50 cents per dozen. Some extra fine Testouts can be had, also Perles. Beauties are not plentiful and are still holding up

Carnations, like violets, have also taken quite a drop in price. The quality of blooms coming into this market is not so good as that of last month, on account of so many of the flowers bursting the calyx, probably caused by the cold, miserable weather. However, Scott is still the leader and holds its price accordingly. Portias are bringing 25 cents per dozen. Some nice Armazindy have brought 50 cents per dozen. In whites Uncle John is arriving in large quantities, and selling tairly well. Flora Hill, which is the best white ever put on this market is in good demand, but being a new thing the stock of it is naturally very small. Some extra fine Mayor Pingree have been brought into the market by Grallert & Lynch, Redondo, which was thoroughly tried for winter blooming under glass, has proved a failure.

Lilium Harrisii is of very poor quality; caused by diseased bulbs. Some growers will lose their entire crop of this flower this season. Laly of the valley is selling well. There is little if any demand for bulbous stock except for funeral work. similar and asparagus are scarce and

bringing very good figures. The wedding of Murray Saunders and Miss Aluce Emberlin daughter of J. M. Emberlin the seed grower, took place ast week at the home of the bride's

parents in Santa Clara

Mr. Ben Cothard, formerly with the storis & Harrison Co., of Pamesville, O., has a repted a position, with M. Lynch, at Men o Parl
— Mr. Chas C. Saveler was in the city
during the past week
— Mr. M. Davidson, superintendent of a

Cypress Lawn Cemetery, was a welcome visitor last week.

Mr. Carroll Kruger, of John H. Sievers' spent several days this week visiting the different growers in this vicinity.

Mr. M. Lynch has just finished a new rose house to be devoted to American

Beauties.

Mr. John Gilmonr is taking a vacation. The Flower Show which was given in Union Square during the Golden Jubilee was quite a successful affair and many creditable exhibits were made by the florists in and around this city. F. Pelicano & Co., of 343 Kearney street, were awarded first prize for the largest collection of cut flowers and decorative plants. McLellan Co., of Laurel Creek, received second prize and Chas. Abrahams third. The exhibits were all neatly and artistically arranged. Golden Gate Park had a very prettily arranged exhibit of palms and decorative plants for which they received special mention. Pelicano & Co. exhibited their two famous kentias, Bel-moreana, supposed to be the two finest specimen plants in the west, each having over thirty healthy leaves. These two Society assisted the Jubilee committee in making the show such a success.

This has been a very hard winter on the seed growers on account of the great searcity of rains. METEOR.

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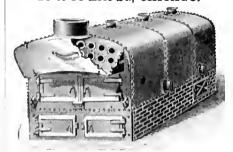
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Hollers made of the best of material, shell, firebox sheets and heads of steel, water space all around front, sides and backs. Write for letermation

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Greenhouse Wood-work. Greenhouse Iron-work.



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Get my prices on everything needful for the erection or repairing of Greenhouses.

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AFTERS of wrought iron, welded at eave joint in one solid piece, or of wood strengthened at joints with a cast iron bracket or clear cypress and of any size or style desired.

TEAM PIPE, Fittings, etc., of all kinds as well as for Hot Water, cast or wrought iron "Standard Iron Construction" is the best, but if you will not have it let me figure on anything you may

bll inc your wants relating to the heating, vent lating, building, or repairing of your greenhouses. I can help you.

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141 CENTER STREET,

NEW YORK.

#### Baltimore.

CLUB MEETING AND CARNATION EXHIBIT. EDWARD WOODFALL READS A PAPER.— THE QUESTION BOX; INTERESTING AN-SWERS.

As the club meeting was to be a little carnation exhibit, it seemed the proper thing to take a trip to one of the places prominent in the production of that flower first, and as much praise had been circulated of Messrs. Halliday Bros. houses, that was the place selected.

Surely no one ever saw a more pleasing sight than their carnation houses. The whole place is a model of neatness and systematic work, but in carnations it would be hard to equal it, and impossible to surpass it. Other varieties which the future has in store for us no doubt will be far superior to any grown now, but the varieties grown here are grown as well as one can imagine them.

A house 29x150 feet, divided across the middle by a glass partition, was planted in Scotts at one end and McGowans at the other, every plant a picture; and the appearance, when looking across the beds, was that of a mass of buds and half open flowers, very little of the grass or leaves

showing at all.

The plants were receiving a top dressing, and it is to be hoped that the proprietors will at some future time give a few notes on their eminently successful methods, including the composition of this same top dressing. Plants are all grown in benches, and temperature is kept as near fifty as possible, a little ven-tilation being left on at night, except in very severe weather, to keep the air sweet. All plants are loosely tied up, either by means of two U shaped wires crossed at the top and forming four stakes around each plant, or sometimes by three stakes set in a triangle, a tie or two around the outsides of stakes or wires completing the support. The carnation meeting of the club was

a marked success, whether we consider the number of members present or the spirit of good fellowship and interest

that was such a feature of it.

Mr. Chas. M. Wagner had four new seedlings, two white from Silver Spray x Scott and two pink from Abundance x Scott. One of the whites a remarkably full, large, well built-up flower had the least touches of pink here and there in the petals, but was otherwise a very fine flower. The whole quartette were extra good and if vigorous and floriferous, will be hard to beat.

Messrs. Halliday Bros. showed a jar each of Lizzie McGowan, Tidal Wave, Victor, Scott, Daybreak and Albertini.

Mr. John Ridershowed Daybreak, Scott

and Tidal Wave

Messrs. Cook Bros. showed Alaska, Scott, Daybreak and a pink seedling slightly paler than Tidal Wave, which is much more prolific than Tidal Wave with them.

Messrs, Woodfall Bros, showed Scott, Albertini and a massive seedling, deep pink, almost red, cross between Daybreak and Portia, also a seedling like a very pale Scott with petals almost plain in outline, only very slightly crenate.

Mr. I. H. Moss departed from the ranks in showing only roses and violets. The roses were huge buds of remarkable finish, of La France, Carnot and a dark sport from La France reminding one of Duchess of Albany. The violets were Farquhar and Marie Louise and in color.

stem and size were the finest possible.

Mr. Edward Woodfall read a paper on "Cross fertilization of carnations" in which after describing his own early experiments, and explaining in detail the "modus operandi" of fertilizing from "modus operandi" of fertilizing from clipping the petals and stamens, and applying the pollen to saving and sowing the seeds, he advised all who had patience and courage to keep at it, for the field of improvement is still great.

The committee on judging the exhibits, Messrs. Wm. McRoberts, Robt. Graham and Wm. Gray, reported awarding the certificate of merit to Messrs. Halliday Bros. for a jar of twenty-five Scotts.

The question box had a great lot of questions in it among which were:
"What is temperature for carnations?" Mr. Richmond answered 50° at night to 60° sometimes in daytime. "Best six Mr. Richmond answered 50° at night to 60° sometimes in daytime. "Best six azaleas for florist?" Mr. Seidewitz suggested Vervæneana, Van der Cruyzen, beutsche Perle, Empress of India, Apollo, Bernard Andrea alba. "Best white winter blooming carnation?" Flora Hill was named by Mr. Fischer. "Best ontside pink chrysanthemnm?" Glory of Pacific. "Does Spiræa Japonica require feeding?" President Pentland thought not. "What time should carnations be propagated to bloom by Christmas?" Mr. Fischer said as soon as strong enough wood could be as soon as strong enough wood could be

"What time should violets be ed where they are to bloom?" Mr. planted where they are to bloom?" Mr. C. M. Wagner said May, Mr. F. Bauer said August, Mr. Ed. Kress said make your cuttings now, put in 2-inch pots in frames, removing sash except when freezing; in May shift into threes and plunge until August, when plant. Маск.



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# Kraft's Plant Tonic

For PLANTS, PALMS and FLOWERS

... A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale...

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soit and pliable, and a beautiful bright green.

Price per bottle, 25 cents.

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# Jadoo Fibre and Jadoo Liquid

are to-day being sold by the leading SEED HOUSES and are used by prominent GROWERS and FLORISTS.

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Plants Without Them

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#### Helpful Reminders.

It is now time to move your amaryllis from where you set them last October, to keep them resting in a partially dry condition. They have lost most of their folloage, and the soil is "cracked" and in some eases hard and lumpy. Before touching the plants provide a place for them with bottom heat, a bench over heating pipes; have it quite close to the pipes, and it should be well lighted. Becautious about breaking roots; they will not endure much of it. If a pot contains one good bulb and a couple of off-shoots, say a 4 or 5-inch pot. shift it carefully into one a size larger; break off as much of the old ball as you can without breaking roots; pack firmly into the new pot; use fresh, sweet soil, well fertilized, a little decayed sod at bot-If the pot is 6 or 7-inch, bulb with number of off-shoots, moisten the ball carefully and separate. You will find the roots so interlaced that this is difficult to do properly; put each shoot in a separate pot, about half or two-thirds above ground; be careful not to have pot too large, as they easily sour before the roots penetrate the soil. Where the off-shoots do not number over eight, it is best to leave the number undisturbed; simply add a top dressing after removing as much of the old ball as contains no roots. From 55 to 60 is warm enough—heated from below; they will bloom during April, May and June.

I have found some growers who have failed with the Belladonna, while being fairly successful with other varieties, and have given it up in disgust. This is quite distinct in its character, blooming in fall, making its leaf growth in winter and spring. It is not a success generally as a pot plant, but if you can plant a few bulbs in the edge of a permanent bed where they will be well drained, warm and wet, constantly wet, they will do well. Plant eight inches deep. After the second year they will bloom and multiply, giving you profitable crops of the most delicate white and pink flowers, when choice flowers are searce in the fall; but you must

not disturb them.

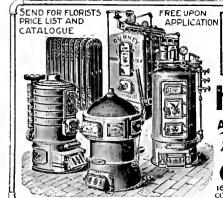
If you have a few feet of bench room to spare, strong bulbs of gladiolus can be started now. Unless you are an expert, with time and conveniences at hand, it hardly pays to force them in pots; but by 1st of March it is safe to start them on a bench-just a few for early bloom, and allow them to develop slowly.

You should now arrange your stock of dahlias, sort them over and see that your varieties are desirable. Start them all in flats. After the eyes show clearly, take a strong knife and divide them carefully, putting each eye into a pot and label so you can fill your spring orders properly. A new shoots that grow long at first may be made into cuttings for your own planting C. B. W.

# (ake Your Own

Pots the Cox Manure Pot

The cow Manure Potes the best for vooing cuts for bedding on plant and ending of plant and ending occurrence. The pet the roots are discovered in the pet the roots are discovered for and of the pot the roots are discovered for the pet and so that is a discovered for per fally if you have to 1 perfectly was range of the pet and so the roots of the pet and the paint of the pet and mingle Machine CircleDits 81 41 femble 2 and Inchibits 5.00





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OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned, Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage. A FULL LINE OF BULB PANS.

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#### Pots... Standard Flower

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

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# FLOWER.... STANDARD

We Manufacture a full line of Standard Flower Pols, Hanging Vases Lawn Vases, Seed Pans and Cylinders, glazed and with handles.

SEND for our price list before ordering else-where and save 25 per cent. ADDRESS

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The Finest Thing on Earth for Shipping Plants. 4 4

Very Strong, Light, Neat and Attractive

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Good Railrond Facilities KELLER BROS. For shipping.
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If your greenbouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST

WASHINGTON, D. C

#### Omaha.

February's business was very satisfactory, much better than was expected. The demand for cut flowers on St. Valentine's Day was very heavy, everything going out clean. The quality of stock has been exceptionally good, and prices have been steady.

Since the organization of the florists' club a more neighborly feeling has sprung up, and very little cutting has been done. Arrangements for the next chrysanthemum show are about completed, also the premium list. A bowling and gun club is being talked of strongly among the members. Some of the old time bowlers, as well as the new ones, meet regularly Monday evenings and spend a couple of hours on the alley. Some promising records are made by the new men which we do not care to mention, as it might cause some of our eastern brothers and old time bowlers to be envious.

Geo. Swoboda spent a few days in Chicago last week. G. R. H.

#### San Jose, Cal.

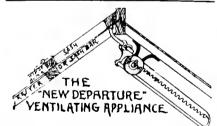
This has been a very poor month among the florists in this place. There is practically nothing doing whatever. There is plenty of stock but prices are away down. Violets are to be had in large quantities, also carnations, but as stated above, the prices are very low. Roses are a little better in price, but the call is very limited. Potted plants are selling slowly.

Mr. E. II. Bourguignon has an immense crop of cucumbers all in fine shape in his new greenhouses.

Mr. Smike Parker was in town during the week.

Mr. Chas. Navlet has just returned from Sacramento and is about to move his store there, to the principal street in the city. Mr. Navlet says business in Sacramento is very excellent and gives promise of continuing so. Mr. Gus Navlet is in charge of the store in that city.

Mr. Emil Serveau, of San Francisco. was a visitor last week. METEOR.



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J. D. CARMODY, Evansville, Ind.



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Write for Circulars or Estimates.

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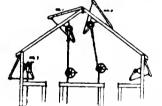
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GREENH JUSE MATERIAL.



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72 Sudbury St., BOSTON, MASS.

FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and
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Conservatories, Greenhouses, Palm Houses, etc., erected complete, with our patent Iron Frame Construction. Send four cents postage for illustrated catalogue.

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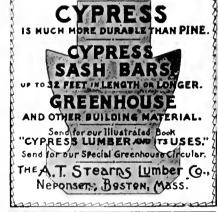
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# THE AMERICAN FLORIST



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Vol. XIII.

#### CHICAGO AND NEW YORK, MARCH 12, 1808.

No. 510.

## THE AMERICAN FLORIST

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# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS-WM. F. GUDE, Washington, D. C., preddent; A. DONAGHUE, Omaha, Neb., vice-predicit; W. J. STEWART, G. Bromield St., Boston, Mass., secretary: H. B. BEATTY, Oll City, Pa., treasurer, The fourteenth annual meeting will be held at Omaha, Neb., August, 1888.

#### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia, February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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Denver, Colo.—The Colorado Florists' Exchange Company, which has been in existence for two years, suspended at noon March 2. Mr. Lewis who has had it in charge takes a position in a large department store.



#### Cyclamens.

The authorities tell us that all the varieties of cyclamen now incommon cultivation have come from one species, C. Persicum. Considering the number of recognized species and the similarity that exists in them, this statement seems strange, especially when we examine the great range in form and color to be seen in any good collection. Be that as it may, it is certain that we now have several distinct strains in cultivation, and very few growers would now be satisfied with the type of C. Persicum common in our greenhouses twenty years ago.

twenty years ago.

Taking foliage and flower, form and habit into consideration, probably some of the white varieties, Mont Blanc, for instance, are the most perfect evelamens grown at the present day. Following the white very closely come the white with crimson eye—always a good seller—the new rose colors, and the purple and magenta tints. For freedom of bloom none surpass the dark red varieties of which Blood Red and Brilliant may be taken as types. But these varieties are not up to the standard in size of flower, nor is the foliage as good as in the lighter colored forms. The color, however, is like charity, and the plants always sell well here.

Cyclamen seed can now be bought in at least fifteen distinct varieties, not including the double, fringed and crested sorts,

To grow good eyelamens is not a difficult matter. There is no secret about it. One must simply do the proper thing at the proper time. Cyclamens will not stand checks very well at any stage of their existence, and must be kept growing from start to finish—a plant once stunted might as well be dumped.

It is a mistake to start with anything but fresh plump seed—the larger the bettler for the larger the seed the more food there

is, and the more rapid is its germination and subsequent development. The plant from the largest seed will maintain its superiority throughout the season. All varieties do not produce seeds of the same size, there being a marked difference in this respect between different colors and strains. Get the heaviest seed possible and sow it in flats of carefully prepared soil, placing the seeds an inch apart, and covering a quarter of an inch deep. The best soil for them to germinate in is one composed of at least one half leaf mould, and when I say leaf mould I do not mean swamp mud or lrish peat, but partly rotted leaves rubbed through a sieve with a quarter-inch mesh. Such a soil will retain moisture without becoming too wet, is not liable to get covered with fungi, and will furnish excellent conditions for the young roots. Remember that it may be three months before your seedlings will be potted off. Water carefully and do not let the seeds get dry at any time. As soon as the seeds begin to germinate place your seed pans near the glass and in an even temperature. About 65 is the proper figure, but 70 will not hurt them if they have all the light there is.

If wanted in flower for the holidays, the seed should be sown about October 1. If sown at that time they will be fit to pot off early in January; or if desired they may



be pricked off into flats. I prefer the former method, however, using 1½ or 2-inch pots. Even in these small pots we find it advantageous to use finely broken crocks for drainage. Use about the same soil as in the seed paus, except that a little bone meal may be added. Place near the glass again and maintain a temperature of from 65 to 70°. If they have been properly handled they will need no shade, in this latitude, and should be syringed several times a day on bright days.

From this time on they will need a shift about every two months, increasing the strength of the compost every time. A bottom heat after every shift is advantageous to stimulate root action. Expose to full sun and keep the foliage cool by frequent syringings.

About the middle of May, when they should be in 3 or 31-inch pots, place them outside on a very mild hot-bed. These frames will need no sides, but some arrangement should be made to carry shades of plant bed cloth, which will be needed at night during May, and for a tew hours during the hottest summer days, and in case of heavy rain.

By August you can begin shifting into 5-inch pots and by September buds will begin to show. When the dewy nights come on the plants will grow very rapidly, and will need no cover either night or day until there is danger of frost.

Expose to the full sun as much as possible—if the foliage begins to feel hot, syringe. The sun will do them good; it will ripen up the corms, encourage the formation of flower buds and keep the plants short and sturdy. As soon as the 5-inch pots fill with roots, shift into flowering nots and remove to a light airy house. Be very careful now that water does not accumulate on the crowns or the flower buds will "damp off." If wanted for the November shows, give them plenty of room and a temperature of 70. Before placing on the bench the plants may be dipped in a good strong solution of tobacco, one part of tobacco extract to tifty of water. By Christmas plants treated as above should be in prime condition for selling, though of course they will not show as many open flowers as they will a few weeks later, but they will he more satisfactory to the buyer if he sees that there are a plenty of buds to conne.

For Easter sales the seed may be sown in February or March, as the spring sun brings the young seedlings on much faster

than in the late fall.

There are other ways of growing eyelamens, ways followed by very successful growers, but we grow ours as above, and

so of course think it the best.

some growers use a great deal more shade than we do, and probably give a much higher night temperature in early fall. They get immense foliage, but, think sacrifice flower. Neither do I think leaves five or more inches across desirable especially as these gigantic leaves are usually followed by a crop of much smaller ones, which come with the flowers and destroy the symmetry essential to a well grown specimen.

The Hustrations which appear herewith will show plants which have had from 75. 15.450 open blooms at one time.

T. F. COWELL

Partie / Botanic Garder

#### Violet Culture.

ment soms to be arousing so of go once interest among the craft

 a 1 i = 3 at yearth while to give a few i = 5 type certaing it the true of the violet naturally II de redriger two parts, the system arched come and tran turing the plants to a right of the benches, and that of the right size process where they are to

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will sometimes happen when the cuttings are placed in sand, for under such circumstances they will have to be handled at once, when they are rooted, otherwise the new growth will be made at the expense of the vascular structure of the plants, the leaves assume a transparent vellowish color, and all after care will never remedy the harm done.

As soon in April as the ground is in proper condition for the plow, have it plowed, if it has not been done in the fall or open winter weather. Then cover it evenly with a coat of rotted manure and let it lay for a week or ten days, and the warm spring weather will soon germinate millions of seeds of troublesome weeds which are easily destroyed by a good working with a spring-tooth cultivator or harrow; at the same time mix and incorporate the manure with the soil, and the feet of the horses will firm it.

The first week in May our plants are just in the right shape and condition to be planted in the field, and we aim to do it at that time, if the weather is at all suitable. Before we go to planting we give the plot another good harrowing. This will not only put the land in a good mechanical condition, but will at the same time kill some more weeds just germinating, and form an earth mulch of two or three inches that will preserve the moisture by stopping evaporation.

We set our plants fourteen inches apart each way by marks made with a marker. This gives the plants plenty of room, and is the most convenient distance for work-

ing the plot with a wheelhoe.

As the surface of the ground will have become packed and crusted during the planting operation, thus establishing capillary motion to the air again, it is absolutely necessary, in order to preserve the moisture in the ground, that this crusted and packed surface should be broken.

To have good violets of a paying number for sale next winter requires good plants, and to raise good plants requires good culture, and the soil to be in a high state of cultivation, mechanical and in plant food. The violet plant throughout its season of growth is a gross feeder. During the summer months is the time when the foundations for its blooming capabilities are laid, and if neglected at that time no amount of care and attention during the blooming months can make up for it. The fundamental princi-ples of culture are light, heat, air and moisture, but in my thirty-seven years of practical experience I have found out that it takes eternal vigilance in applying the same, and especially in the culture of violets, the most fastidious of all flowers. To lay down a thumb-rule for the modus operandi and expect that like results will follow in every instance, will surely lead to disappointment. I have learned that it is better to "know" a lot of things that are not so, than to think I know it all. The violets keep me guessing all the time and wondering what they are going to do next, and at their best they are a fickle

But I am transgressing, I did not start out to write a romance, I intend to state tacts, plain facts, as I have learned them by hard knocks, and as they appeared to my understanding.

If it is intended to make a record next winter for the largest number of flowers to the plant, keep all the runners from the plants as soon as they appear, and do not allow any summer flowers to go to seed, thereby retaining all the energy to the plants, and encourage the stooling has at, for upon the number of crowns to the plant depends the number of flowers per plant next winter. Afterreading this, go into the violet house, cut a crown from the plants and count the flowers picked therefrom; it will be found that the plant has kept a record thereof that is just as reliable as the stubs in a check-book, which will tell the number of checks that have been made out. If the crown has been a good one, and is through blooming, it will be found that fifteen flowers have been picked therefrom, consequently a plant with five crowns is capable of producing seventy-five flowers, but it takes the best of culture and the best of land to grow plants with five erowns that will produce fifteen flowers each; three is the average.

As the season advances keep close watch on the plants, and do not miss the time when they should be benched, for in my experience there is only one week when it is the right time to do this work, that is sometimes as early as the middle of August, and sometimes not before the middle of September; it depends upon the season, the location and the texture of the soil.

The right time to bench violets is when the crowns are ripe and every leaf is matured, that is, when the plants seem to have stopped growing. Neglect this time to do the work and the plants will throw out a new set of runners, and the crowns will commence producing flowers in the field, all of which will be lost by having failed to do the right thing at the right We bench our plants in five inches of clay loam, at a distance of 8x9 inches, and we find that by this mode of culture we can grow with less work fully as many and in every way as good flowers as by growing the plants where they are to bloom. CHAUTAUQUA.

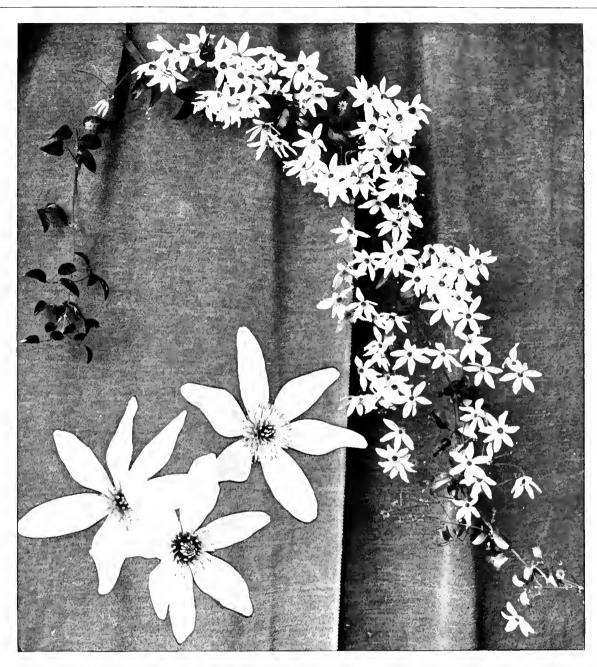
#### Clematis Indivisa.

Although introduced into Europe from New Zealand fifty years ago, yet this beautiful climber is comparatively little known here, and notwithstanding it has been grown at Wellesley for over thirty years, it is only within the past few years that it has been appreciated as a decorative plant, blooming profusely at a season when flowers are scarce. Some years ago I called the attention of one of my neighbors (a florist) to it, and advised him to devote a house to it. He could not see at that time that there was any money in it; to-day, however, he thinks differently,

A northwestern aspect, 1 find, answers it admirably, for it thrives best in a cool house, and where the smi's rays strike it obliquely. Having purchased a strong plant grow it in a 12-inch pot, giving plenty of water during the growing sea son, and when autumn arrives you will find the pot well filled with roots, or the plant pot bound, so called. Having prepared your border as you would do for grape vines four feet in length, two and one-half fect in width and two feet deep, plant your clematis without disturbing the roots; give a good soaking of water and let it remain until it begins to show signs of growth, which will be early in lanuary. Train on wire suspended eighteen inches from the glass and lay in every shoot; this is done the first year so you can have a chance to prune as you would a grape vine on the spur system in September of the succeeding year.

It is necessary to syringe thoroughly for it is rather subject to scale and mealy bug. A temperature of 10 hat hight is ample. T. L. HARRIS,

Wellesley, Mass.



CLEMATIS INDIVISA.

## Paris.

Foreigners who during the last few weeks have walked along our leading thoroughfares and noticed the abundance of flowers can searcely have believed that we were in the height of the winter, or at about the coldest time of the year. Flowers were present everywhere. Anemones and other flowering bulbs, violets, mignonette, pinks, yellow and white marguerites, open air roses, etc., were to be had in quantity.

Our florists'shops, always dressed with the most refined taste, were more than everablaze with the most brilliant flowers, as abundant as in spring. It can not be denied that our florists are real artists in the disposition of the flowers, in the combination and contrasting of the colors. Their floral arrangements are always very light and neat. The floral receptacles are selected with the utmost care to agree with the colors of the flowers, and this is to a large extent what makes their shops so attractive. Peeping through the windows of some of the swell florists of our boulevards we may just now see some very fine and tasteful floral decorations. The beautiful and fautastic orchids are loosely and charmingly mounted on easels, in slender baskets, or in pieces of hollowed bamboo provided with immense handles to which the flowers, intermixed with asparagus leaves, are attached so as to leave the fastenings invisible.

Small baskets with very large tall handles adorned with ribbons matching the flowers seem to be in fashion. In some of the baskets a small Cocos Weddeliana surrounded by lilies of the valley, or a fine Amaryllis vittata (searlet-red) with adiantums, are very effective. In others the adiantums keep company with the lily of the valley.

Azaleas are very showy by themselves and need no companion except sometimes a few ferns or some lilies of the valley finished off with the ever present big ribbon, which is usually of the same color as the flowers. Lilies are great favorites and the proceeds of their sale in Paris is said to amount to \$160,000 a year.

But our big florists can not alone boast of taste and talent. Even our street vendors know how to give a pleasant aspect to their hand-earts in combining the vivid hues and in disposing the flowers to the best advantage in order to attract the passers by.

Those persons who are not well posted on floriculture wonder where these flowers can come from; they seem to be too cheap to have been forced or grown under glass, and look too neat and fresh to have come from warm southern countries. And yet the latter guess is the right one. Most of the flowers sold from December to March are grown in that delightful region called the Riviera, where the sky is always bright and the warm sun never missing.

The floral gardens of Grasse and Cannes have an area of about 60,000 acres, producing 83,000,000 worth of flowers every year. This region, supplying during winter the leading flower markets of Europe, is by fast train only twenty hours distant from Paris. Flowers gathered in the morning and shipped before 11 a, m. reach Paris the next day at noon as fresh as if they had just been picked, though



only wrapped in paper and packed in light reedbaskets. The freight is 17 cents per basket of ten pounds. For a longer journey, as for instance that to St. Petersburgh. Russia, taking three days from Paris, or four days from Nizza, the flowers (with long stems) are tightly packed in boxes on a layer of cotton and the whole box covered with a thick felt canvas, made of coarse hemp cloth and old rags, to keep off the icy air. This cover alone costs 20 cents for a box weighing eleven pounds. The city of St. Petersbugh receives about four tons of flowers a year, valued at \$600,000. The price of a ten-pound box of roses and lilaes was \$14 in the Russian city in the beginning of December last.

Among the most popular floral products coming from Southern France in January and February is the Acacia dealbata, which, as Mr. Henry de Vilmorin said before the Royal Horticultural Society in London, is the sweetest and most graceful, the most feathery and the linest foliaged of all the winter acaciast grows to be a large tree and develops its yellow flowers, which look like stringed beads of the finest silk, as soon as it is three or four years old. A large tree of this species all ablaze with the sunshine on its golden fleece is indeed a beautiful sight. The blooming season of Acacia dealbata lasts from the middle of January to the cudot I obruary. Immense quantities of it are then distributed all over Lurope, and the price is a amtained at a pretty high figure (about \$10 per hundred weight on the spot) owing to the limited area over which the tree will thrive very well.

Only in the listerels and on the Guers hills around Cannes is the proper soil for Acacia dealbata to be found in combination with a suitable climate. On all them with a suitable climate. On all the sickens, turns yellow and dies off rapidly. An artificial process has been in the for a few years in order to anticipate the blooming season of minos), as this acacia is connounly called. The wring branches are cut a vice or so before they would bloom

in the open air and are submitted, with their butt ends steeped in water, to the action of moderately heated steam. The flowers expand in ten to twenty hours and last as long afterwards as if cut direct from the tree. Large tin vats are prepared for the purpose and the process is a very profitable one, as the first consignments of mimosa fetch a high price at the opening of the season.

But according to Mr. G. Vrav all the flowering branches of a tree should not be treated in the above way on the same day; their selection constitutes the most important feature of the operation. When the branches are cut too soon the buds blacken and do not expand. The branches which have not been exposed to the direct influence of the sun and those growing in the center of the tree, which are somewhat weaker through lack of light, should be forced first. The branches are in suitable condition to undergo the process of forcing when, on rolling a few buds in the palm of the hand, they are easily turned to a kind of flour. Failing this, or should they resist the pressure, the forcing must be postponed to a later date.

The foreing takes place, as already intimated, either in tin vats made for the purpose, in old wine butts or in low greenhouses. In the first case the branches, set up in bunches, are placed in the vats containing four inches of water. The aperture is closed with several old blankets and a small stove put under the vat maintains the heat of the water at a temperature of 86° Fahr. This process, athough very old fashioned, succeeds perfectly when the branches have been selected with care.

When old wine butts are used the budded branches, equalized at the base, are placed in them on floors having many holes, the stories being distant enough to prevent a sharp bending of the branches. The base of the wine butt is provided with an aperture which admits the heating pipe conveying the necessary steam, and the latter, passing through the holes in the floors, keeps up a temperature of 86°. Fahr. The butt is covered with blankets maintained by hoards, as in the above case.

When forced in low greenhouses the flowering branches are placed in flower vases, four to eight inches in diameter, filled with water, which are buried close together in the benches. The greenhouses remaining always covered, and the sun heat helping, it is very easy with a small heating apparatus to provide the required temperature. The last method is the most rational, as the work is easily done and does not require much experience. Unless in very mild, favored spots the forcing is seldom practiced before the first part of January. The flowers sold before that date are those of A. longitolia, which is far from being as popular as A. dealbata.

However, a fourth method brings the latter species in bloom in the beginning of December. This method consists in growing A, deadbata in tubs. Let the plants suffer moderately for lack of water from the moment the buds are well set until August, and then place them in a shady situation, supplying water freely and syringing morning and evening. Towards the end of November the plants are placed in low greenhouses heated to so. I ahr, syringed frequently and kept well supplied with water. Eight days of this treatment alfords a magnificent blossoming which lasts two or three days and pernats of a close succession by replacing the worm out plants. This latter process the most onerons of all, can only

be employed for the first crop, which pays the best. As already stated the A. dealbata does not thrive on calcareous soils, but a few years ago a nurseryman succeeded in grafting it on A. floribunda, which is a hardier kind, growing in almost any kind of soil. A. dealbata is easily propagated by seeds

At the last meeting of the National

At the last meeting of the National Horticultural Society Mr. Baltet, Troyes, showed a twig of a very interesting horse chestnut tree, which always unfolds its leaves several weeks before any other such tree. The young trees grown from cuttings taken from the old, show the same earliness

In the last number of the Revue Horticole mention is made of a pale mauve blue Roman hyacinth which is said to bloom in the open ground forty-five days before the old white variety is much hardier, more vigorous, giving as many as twelve spikes to each bulb, and requires less heat to be forced. If only one-half of what is claimed for it is true, it will be a valuable acquisition.

The weather continues abnormally mild. At the beginning of the present month



ACACIA RETINOIDES FLORIBUNDA

wheat in the center of France was fifteen inches high. Our farmers would greet with pleasure a good frost keeping in cheek the weeds and insect pests, which begin to get troublesome. A hard frost, on the other hand, with the advanced state of a good many plants, would prove nothing short of a great calamity.

Parisian.

#### The Use of Orchids in France.

The accompanying illustration, reproduced from a photo received from our Paris correspondent, shows to what good purpose orchids may be employed in floral decorations when arranged with taste and skill. This bronze vase was one among many prepared for the eclebration of the seventy-first anniversary of the birth of Baron Alphonse de Rothehild, February 1, and contained flowers of Oriedum splendidum, Phalamopsis annabilis, P. Schilleriana, Laha anceps alba and Cattleya Trianae, with leaves of Coros Weddeliana.

#### Sub-Irrigation for Chrysanthemums.

At the recent meeting of the American Carnation Society, at Chicago, the paper of Prof. Arthur treated of sub-irrigation, or sub-watering as he called it, for carnations. We have used this method of watering various greenhouse crops for several years, and throughout the season our results agree with the claims he made for the method of applying water. Pleased as we were with the results dur-ing the winter, it was in March and April that the most marked results were obtained with the carnation. At that time a much larger amount of water was required than during the winter, and we not only found sub-irrigating the beds a great saving of labor, as compared with surface watering, but the cut of flowers, of which a careful record was kept, was twice as great from the sub-irrigated as from the surface watered plants. two beds used for the test were thirty feet long and three and one-half feet wide.

With such a marked benefit during the early spring months, it can readily be seen that with a crop like chrysanthemums, which are grown upon greenhouse benches for four or five summer months, even greater results can be looked for. regret that I have no comparative data to give, but for two years I have used sub-irrigation for chrysanthemums upon a bed thirty-five feet long and six feet wide with the best results, and a description of the methods employed may interest your readers. One of the objections to the general use of this method of watering, as mentioned in the paper of Prof. Arthur, was the cost of preparing the beds, but this does not hold with our construction, as we use ordinary bench lumber, and would only insist that the supports be sufficiently close to prevent the sagging of the bottom boards. We have best results by using legs and cross-bearers every six feet, upon which 2x4 stringers running lengthwise of the beds are placed. The bottom boards, which are twelve inches wide, and of a fair grade of hemlock lumber, rest upon the stringers. They are placed closely together and nailed to the stringers to prevent warping. The front and back boards are eight inches wide and are nailed to the stringers so as to form a bed five inches deep. If there are loose knots in the boards, shingles or or bits of thin boards are nailed over them and laths are nailed over any large cracks, and over the ends of the boards, the boards are then wet down and given a wash of cement, prepared by mixing Louisville cement with water enough to make a paste as thick as can be applied with a broom, and scrubbing it over the bottom and sides, thus filling any small cracks and helping to preserve the boards. After a few hours the beds should be filled with soil. We generally place an inch or so of a mixture of partially decomposed cow and horse manure in the bottom and over this a compost of sods and manure. To distribute the water we use two and one-half inch drain tile, placed lengthwise the beds, one row being suffieient for four foot beds and two for those seven or eight feet wide. For houses up to fifty feet in length they can be placed level, with a slight fall in longer houses. Care should be taken to have the openings between the tiles as nearly even in size as possible. As the tiles are more or less curved, if they are arranged with the convex side up, the openings will be at the bottom, and by turning the tile slightly the size of the cracks can be adjusted. Once in twenty or thirty feet it is desirable to have openings into the tile, in order that the distribution of the water can be



A PARISIAN VASE OF ORCHIDS.

observed. In case it should be found that water was required by one part of the bed, while the remainder did not need watering, water can be turned in through these openings and confined to the dry portion by inserting bits of tin between the joints of the tile on either side.

After planting the beds we wet the soil to compact it about the plants, but after that rely upon sub-irrigation for the water supply, although we use water freely in syringing the plants on bright mornings. The amount that must be through the tile will soon be learned by experience, but, as a rule, we find it well to apply enough to cover the bed one-half inch deep at each watering while the plants are small, and may increase this to one inch when they are nearly grown. This is better than to apply a smaller amount at more frequent intervals. The necessity for watering can be determined by examining the condition of the soil at the bottom of the bed. Instead of using the hands as suggested by Prof. Arthur, a small tin cylinder can be used for sampling it, without disturbing the plants. While the tiles are distributing the water, the time can be occupied in stirring the soil, staking,

tying or disbudding the plants, and thus the actual labor of watering is greatly reduced. Unless the beds are very carefully built it may be stated that they will not be actually water-tight, as there will probably be a few small leaks along the sides. We find this desirable, as if a surplus of water should be given, it would escape through these openings. We use these leaks also to indicate when the water should be shut off, as when the water drips from the openings along the sides of the beds, it indicates that the soil has been fairly well moistened.

After the plants have become established, the application of liquid manure every four or five days is necessary. Whether this is a solution of chemicals in water, or is made from animal manures, it can be readily applied through the tiles and with no extra labor. Nearly every one has seen or heard of the Kinney pump, and with one of them attached to the hydrant, and with the liquid manure ready prepared in a barrel, it will take up any desired amount, mingle it with the water and distribute it through the tiles to all parts of the beds, where it can be taken up by the plants. By applying the liquid manure in this way, we do away with one of the most laborious and dis-

agreeable features of chrysanthemuni

growing.

Although we have used sub-irrigation for all kinds of greenhouse crops, both flowers and vegetables, in none of them have we been better satisfied with the results than with the chrysanthemum.

L. R. Taft.



A DISEASED LILY Indicating small size at date given

#### The Lilv Disease.

In response to the request of the editor AMERICAN FLORIST for an article upon the lily disease, it may be said at the outset that there are many diseases of the lilies. There is, however, a certain sense in which one may speak of the lily disease, and by it is meant the trouble that has affected the lilies, chiefly those known as Easter lilies, and that come to our markets as bulbs from the Bermudas.

While the writer has had some acquaintance with this disease for some years past, he has not made an exhaustive study of the trouble, and in this article will draw largely upon the information set forth by Mr. A. F. Woods in his recent pamphlet (The Bermuda Lily Disease, Bulletin 14, Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture) upon this subject pub-

lished about six months ago.

First as to the general appearance of the prevalent trouble Mr. Woods states that it is characterized by spotting of the leaves and flowers, and of the scales of the bulbs accompanied by a failure of the plant to thrive and to produce a full num her or blooms. In short, the flowers are few, small and spotted, if the plant blooms at all, and the leaves upon the short stem are streaked with brown, remain small, become twisted and turn brown.

The disease affects several species of the genus lilium, but most frequently and destructively the L. longiflorum and L. Harrish It is met with in Lurope, and Japan lilies are likewise susceptible. writer has seen whole houses when the bulbs were forced for Easter decorations where not a single plant among thousands was in a healthy condition, and when examined with a good magin her a small nate could be found associated with the brown streaks upon the dwarf leaves and stems. Such worthless plants when p moved from the earth, and the scales of the bulb examined showed the same mite in great numbers between the decaying scales.

Mr. Woods has found this bulb mite to be Rhizoglyphus echinops, and figures it in his bulletin and states its size to be that of a mustard seed, and that it bores into the healthy tissue at the base of the bulb and almost completely destroys it.

As these depredations are below ground, and at the point of union of roots with stem, they are doubly serious; first, because of the great importance of keeping this portion of a lily plant in health; and secondly, because of the opportunity the burrows offer of fungi of various kinds effecting an entrance. Anything that opens up the interior tissue of the bulb will provide the way for decay, and the work of the mites will be followed up by bacteria and the various molds that finally end the life of the plant and bring dismay to the propagator.

A diseased plant is shown in the illustration made from a photograph of a

sample taken from a greenhouse near by.

Lying back of all the different insect and fungous troubles it is claimed that the lily plants are not properly grown and handled, and that the bulbs come to our country in a weak condition that renders them more liable to fall victims to their enemies than healthy plants. Thus the Bermuda growers, according to Mr. Woods, have been in the habit of cutting the flowers with long stems and thus weakening the plants. Again, and perhaps one of the worst practices, has been the forcing of the bulbs for the Christmas trade, which forcing has induced unhealthy plants.

Carelessness is at the bottom of much of the trouble and the first requisite is healthy stock. It goes without saying that so long as the law of "like producing like" holds, it will be hopeless to expect good plants from unsound bulbs. The work should begin with the Bermuda propagators and they should be made to feel that their only hope of retaining their place as lily bulb growers rests upon the basis of sound and vigorous bulbs. They need to practice a rotation of crops, and not attempt to produce bulbs upon old land already infested with the diseases of the lily, and not send bulbs into market

until they are mature.

It remains for the florist to note the condition of his bulbs as they come to him. If diseased they should be disearded and destroyed. Mr. Woods recommends the soaking of the bulbs in sulphur solution, and is also confident that much good may be done by fumigating with hydrocyanie acid gas. A liberal use of tobacco stems around the pots is likewise a wise precaution.

Byros D. Halsted.

#### Carnations at Chicago.

[Paper read by W. P. Craig before the Philadel-phia Florists' Club ]

Thave been requested to make a report on what I saw of interest at the recent meeting of the American Carnation Society. This I will endeavor to do, and will also, hoping to make what I say more interesting, venture to give some suggestions and reflections along the different lines, and draw some comparisons between those varieties which may be grown with profit and the kinds which must, from their lack of good qualities, fall by the way. Let us then for sake of convenience, take up first the most important color, white, and follow on with the pinks, reds, yellows and the fancies.

Among the whites the leading claim ants for our attention are Lizzie MeGowan, Flora Hill, Alba Superba, Evelina, White Cloud, Harrison's White, John Young and Genesee; there may be other valuable whites with which I am unacquainted.

Of Lizzie McGowan it may be said that it has been the most profitable white car-nation for general culture of recent years; but some of the newer varieties are so decidedly superior in form, or size, or stiffness of stem or in a combination of all these qualities, that I do not hesitate to say that although McGowan when in good health is a marvelous bloomer, and that I am almost certain none of the new ones will equal it in number of flowers produced, on account of its defect of form and stem, it is so placed at great disadvantage, and many growers will drop it in favor of the newer varieties.

Evelina appears to be the best, all things considered. It is a pure white, of good size, fine form, perfect calyx, an excellent grower, free bloomer on long stiff stems; its only defect is, as I found it, a lack of fragrance.

Of Flora Hill much good has been justly said, and I cannot at this time, refrain from adding a few additional words of praise. It is a remarkably strong grower and an abundant and continuous bloomer, It is true that earlier in the season its stem lacked stiffness, but to-day, as it grows with us the stems have improved wonderfully, and are I consider quite stiff enough for any ordinary purpose; in form it is lacking a triffe, but is still in this respect much in advance of many varieties that are extensively grown. As this variety has already been widely distributed, and its value so well known, I venture to say that more of it will be brought into market next winter than of any other white.

The other notable and much talked of introduction of last year in this color, Harrison's White, has been, and still remains a grevious disappointment. It was introduced as a sport of Wm. Scott, and for that reason was largely planted; it shows, however, none of the characteristics of that popular variety; it has flowered searcely any during this winter, and has every appearance of being of the type known as "spring blooming," which are of no value commercially for cut flowers. The carnation, to be profitable, should commence blooming in November and flower abundantly all winter and spring.

Alba Superba is a variety of decided merit, chiefly on account of its grand stiff stem which admits of its being used to advantage in bold decorative effects; it is also a healthy grower and continuous bloomer. The flowers cannot be said to be equal in size to some other varieties. I saw one plant being tested at Mr. Hill's on which was one developed flower, that was fully one-third larger in size than any other flower Lever saw of this variety.

White Cloud is a seedling from Daybreak, and in growth and free blooming habits greatly resembles that well known kind; it also is a valuable sort.

John Young is a flower of good form, quite fragrant, with good stem, but

Genesce is a pure whiteon strong stems, somewhat resembling Alba Superba in form of flower. I had not an opportunity to see this variety growing in the greenhouse, but judging the habit of it from the plant on exhibition Lamled to believe it very free; it is, however, as is Alba-Superba, undersized.

In pink, the next color of importance to the whites, we have for our consideration Wm. Scott, Daybreak, Albertini, Victor, Mrs. McBurney, Painted Lady, Mrs. Thos. Lawson, Mrs. James Dean, Triumph, Mrs. Frances Joost, Argyle and Cerise Queen; there are some pink varieties well known that need not be mentioned here; also some others of this color being introduced this year that were not at the Chicago exhibition, and which I have had no opportunity of seeing; this also applies to varieties I have not seen in the other colors.

Wm. Scott is the most widely known of all the pink carnations; it has been the most popular, because the most profitable during the past three years, but to-day with such varieties in the field as Victor, Triumph and possibly other kinds which, while perhaps not quite so free, have length of stem and size of flower in their favor, it is certain that the number grown next season will be greatly reduced.

In regard to Victor, Scott's foremost rival at this time, I want to say that it has much the same habit as Daybreak, of which it is a sport; but is much darker in color and stronger in growth; it is remarkably free in bloom, of large size, fine stiff stem, and it must be recognized as one of the most valuable carnations in cultivation to-day. I am inclined to accord it first place among the pinks.

Triumph is another good one of fine form, with excellent stem and color, and very free blooming qualities. It has been uncommerce for several years and it is remarkable that it has not been more generally grown.

I may mention here that Mrs. Thos. Lawson is a grand new pink variety whose introduction will be awaited with much interest by all who have had an opportunity to see it.

Mrs. James Dean is much the same in color as Mr. Heacock's pink, Elizabeth, with which many of you are familiar, but seems to be inferior to the latter in strength of stem and in form. Elizabeth will be given another year's test.

Argyle is a variety of considerable merit, and is surely worthy of a trial on account of its pleasing color, vigorous growth and good stem; it is, however, somewhat deficient in form.

Painted Lady is of excellent form and a very pleasing color. As I saw it growing at Mr. Hill's it was very free in bloom, but the long stems were weak; this is probably due to some error in culture, as I saw it with much stiffer stems at his place a year ago.

Cerise Queen is much the same in color and form as Tidal Wave; its stem lacked

stiffness.

Mrs. McBurney is a fit companion for Daybreak in color; it is, however, of a different form. The flower, although larger is not so full, and as I saw it growing at Mr. Rudd's in Chicago, was certainly very fine; the flowers were uniformily large on long stems, and it is a very free bloomer. By the way, Daybreak is still among the very best in some places; in others, complaint is made that it does not do so well as formerly.

Mrs. Frances Joost is another of the very promising pink carnations of this year's introduction; it is a well formed flower of a very pleasing shade on a good stem, and is said to be possessed of very free blooming qualities.

Oneida as being sent out this year is a good shade of pink, but in my judgment

lacks size, stem and form.

Queen of the West and Kathleen Pantlind I do not consider improvements over existing well-known sorts; there are also a number in this color that I have had no opportunity to see and of which I can say nothing.

In the next color, red, we have Jubilee, Portia, Bon Ton, Red Jacket, Firefly, Wellesley, America, G. H. Crane, Scarlet Queen, Dazzle and Fort Wayne.

Jubilee is a superb flower, as is now well known; the color is rich and the form fine; its stem among the very best. This variety is quite subject to rust. I have found, however, that the rust may be readily kept in check by the frequent and liberal application of air slaked lime. I use for this purpose a patent gun, which is a very useful machine.

Portia certainly produces quantity, but is not up to the size required in these latter days, when the demand for good large flowers must be met. Among the other reds I have named there are perhaps better ones than these. G. H. Crane, America and Scarlet Queen are all promising; I consider the first named most likely the best. It is a very large full flower, much fuller than Jubilee, and is possessed of good color and stem. Bon Ton is also a very handsome thing; its color is grand, and its odor sweet, but as I saw it grown was led to believe it not free enough. America and Scarlet Queen are also good things, but of these I can say very little at present.

Fort Wayne is of good form and a large flower, perhaps a trifle light in color.

Wellesley was, as I saw it, too badly used up for me to form any opinion of it except that it was weak in color and size. Red Jacket, weak in stem and size, is

of good color.

Firefly is claimed to be, by the introducers, entirely rust proof and free to bloom; its flower is in my judgment too small, and what we really want in reds is one with the productive character of Portia, only with larger flowers, in form like G. II. Crane, Bon Ton or America. My limited knowledge will not enable me to "pick the winners" in these last named.

The next in order are the yellow variegated, and under this head we must consider Buttereup, Eldorado, Mayor Pingree and Mr. Dorner's superb new variety, Gold Nugget.

Buttercup is well known and is still in some sections grown in considerable

quantity.

Mayor Pingree, one of last year's introductions which I have seen growing in several places, and grown in quantity myself, is a flower of first size and has the finest stem of any carnation I know of. It cannot be expected that a variety of this type will produce as many blooms as such varieties as Flora IIill, Victor or Gold Nugget, but its extra quality will command a sufficiently larger price to make it a profitable one to grow.

Eldorado is very productive when in good health, but is very subject to rust and inferior in size to Gold Nuggett, which is, on the whole, I think the best thing in sight in yellow; of this latter variety it may be said that it is of fine form, and in color several shades darker than Mayor Pingree; it is about the same color as Buttercup, but is not so heavily penciled as that variety. I did not get to see Gold Nugget growing, but some of the most careful and conservative experts who have had the opportunity pronounce its growing and blooming qualities all that can be desired.

And now for the white variegated ones. In this class we have among others Helen Keller, Mrs. Geo. M. Bradt, Lily Dean and Armazindy. Helen Keller was once a promising variety but unfortunately developed a habit of producing imperfect

flowers, which was the cause of its being largely dropped from cultivation, but il it could be grown generally as I saw it exhibited by the South Park Floral Co. of Newcastle, Ind., at the Chicago meeting, it would still claim a place in the front ranks.

Mrs. Geo. M. Bradt, one of the best of last year's introductions is doing well everywhere and may be now put down as a standard sort; it is a beautiful thing, its only defect is a weakness of stem; it is possible to strengthen the stem by growing it at a temperature never exceeding 50°. This temperature is also suitable for Lily Dean, another of last year's introductions and a most beautiful variety; it is a very free bloomer, with long stems and I consider it the best white penciled variety on account of its general make up and freedom of bloom.

Armazindy is one that has been grown somewhat, but is still comparatively unknown or not generally grown; it is a finely penciled kind and has among its good qualities freedom of bloom, good

stem and fine form.

Of Psyche all I can say is that it is about as heavily penciled as Helen Keller, is of better form and size and appears very free; I have also seen this variety much better than I saw it this year.

Empress is a variety with which I have been very favorably impressed; its color I would call a rich crimson, extraordinarily fine stem and Irom all indications should think it will, in its class, prove of much value; it must be kept in mind, however, that this is one of those varieties whose immense stems take a long time to develop, and they must bring a good price in order to pay the grower.

Maud Dean is a charming thing, deliciously fragrant, but may be dismissed from consideration as a commercial variety on account of its lateness and shyness in bloom; for the amateur who is willing to dispense with quantity for the sake of quality it is not without interest.

It has come to pass in these latter days that any grower investing his money in a new variety is unwise to do so unless that variety is superior to all existing varieties in its class. If, for instance, there are three pinks offered of the same shade of color and general quality it will be necessary to make a close study of each to determine which of the three has the most points of excellence; in the close competition which now exists the weak kinds must be dropped and the better ones given their places. The rose grow-ers have carried out this "boiling down" process until there are practically only three varieties now largely grown, viz., Bride, Meteor and Bridesmaid, with the peerless American Beauty in a class by itself; Mme. Cusin, Wootton, Gontier, Hoste, Watteville, and many others once largely grown are now seldom seen; even Perle des Jardins, once the most popular rose of all, is now grown in a limited way.

In conclusion I will say that the exhibition in Chicago this year was an intensely interesting and encouraging one; the general opinion was that it even exceeded the very attractive one of a year ago in Cincinnati. The society is certainly doing a very good work, and as it has selected this city for its meeting place next year I bespeak for it your hearty co-operation, and hope that next year will show a large increase in its membership.

Ashtabula, Ohio.—The M. E. Fassett greenhouse property has been re-appraised and the assignee, W. G. McCartney, has been ordered to sell it at private sale

#### Up-to-Date Wholesaling.

When a retail florist in Philadelphia runs out of any of this or that kind of stock he tells his buyer to run over to "Sam's" and get it, or if a large quantity of any special flower is wanted "Sam" is seen, and the dealer feels sure of the necessary stock to fill the order.
"Sam" is short for S. S. Pennock of

1612 Ludlow street, where he conducts a wholesale cut flower commission business. Mr. Pennock's business is exclusively cut flowers, he leaving thorists' supplies severely alone. His aim is to keep high grade stock, and the large and everincreasing list of both customers and consignors bear testimony to his success. Succeeding in 1887 to the business established by his brother at 3800 Sixteenth street, he was obliged soon to move to larger quarters, which in turn became too small. In 1895 he moved to his present location, erecting a building to suit his purpose. This in turn was enlarged by an addition the past season, which gave him greatly increased facilities. His location is an ideal one, being between the two principal streets and but two blocks from the center of the city. Adams Express freight office is but half a block away. Orders by long distance 'phone have been received, packed and delivered on train in twenty minutes.

With the recent additions to his establishment his main floor space now comprises over 2200 square feet, with a cellar of same capacity beneath; the ice storage rooms or refrigerators contain 2000 cubic feet of space, and are of modern design. Over one hundred growers, representing about 700,000 feet of glass consign their stock to him, many of them being daily shippers.

His out of town trade is rapidly increasing and extends in area from north New England to Florida, regular shipments being made to Jacksonville, which are two nights and a day enroute, and arrive

in good condition.

His system of handling stock gives almost perfect satisfaction, the growers of inferior flowers being the only ones to grumble. Everything received is graded, and in this way the stock is sold entirely on its merits, and each grower receives his proportion on the quantity sold. long as there is any business doing the best flowers go first, and growers whose stock gets into the upper classes fare well, while poorer grades have sometimes to be almost given away. His grading of stock entails considerable expense, but the satisfaction to all parties concerned is worth the trouble. Mr. Pennock believes that this system has done much to improve the quality of flowers and makes growers more careful of their stock than formerly. It used to be put in a box anyhow, just so it got to town. Any old hox was thought good enough, shoe box, soap box spice box, etc., but now things are different, and much more intelligent methods are used, although there is even now plenty of room for improvement.

Carnations are still not handled as they ought to be, most growers leaving them on the plants too long, seess to get into first grades on account of their size. They should always be picked a little under size rather than full open, and would bring better returns to the grower Thousands of carnations are handled here every day, and as many as 90,000 have been sold for a holiday. Personally, Mr. Pennock schools a young man, being still on the sunny side of thirty, is wellliked by all those who come in contact with him, and when he and his twelve-



STORE OF S. S. PENNOCK, PHILADELPHIA.

hustling clerks get together a wonderful amount of business can be turned out in a day. a day.

#### Boston.

The market is very quiet, and prices are going very low for the season, being flooded with violets and all bulbous flowers, especially lilies and callas are overstocked and unsalable at \$4. Smilax is very scarce, and the market is practically cleaned out of hardy ferns.

Last Saturday the horticultural society met, and the president was authorized to receive proposals and plans for a more desirable building and accommodations on the present site.

Manager Kennedy, of the Cut Flower Market, has resigned and there are innumerable applicants for the position.

George Mullen has closed his store on Park street.

George Sutherland is receiving a quantity of fine acacia.

A party of gentlemen from Boston visited the extensive establishment of J. Reuter at Westerly, R. I., on Thursday, March 10.

Visiting Boston: H. J. Goemaus, representing K. J. Kuyk, Holland and Beleium.

#### Birthday of W. K. Harris.

Wm. K. Harris passed the sixtieth milestone of his life last Thursday, March 10, and the event was most fittingly celebrated by the employes of his establishment presenting him as a mark of their

esteem-with a handsome oak roll-top office desk and chair. The presentation was a great surprise to Mr. Harris. Mr. George Sampson made an appropriate address, which was responded to by Mr. Harris in his characteristic way, and in such a feeling manner that all could not but see that he greatly appreciated the honor paid him. That his seventieth year will find him still at the head of his important business and the greatest commercial floral poet laureate in the country is the wish of his many friends. Philadelphia.

#### A Great European Rose Show.

A rose exhibition of an unusually extensive character will be held during the coming summer at Frankfort-on-Main. Germany. Opening early in June it will continue to September, and if the weather proves tayorable the time may be extended to October.

CLIFTON, N. J.--Mr. Robert Simpson has bought the W. H. Young greenhouses at this place and will grow American Beauties principally, with a moderate mumber of other varieties. He will plant American Beauties on their own roots, but will grow all other varieties grafted on Manetti stock. [Mr. Simpson is wellknown to our readers by his many excellent articles on rose culture which have appeared in these columns | En. ]

FRANKLORT, Ky .-- E. Power, of this city, claims to have cut some violets March 4 with stems 10 inches long.

# THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address THE AMERICAN FLORIST CO., Chicago.

#### Special Easter Number.

The issue of the American Florist for April 2 will be the annual Easter or spring number, and will be sent to all the new names obtained for the 1898 Directory. Advertisers will see the value of this at once, as it will give them an opportunity of placing their stock before a large number of new florist buyers whose names are on no other lists. Copy for advertise-ments should be sent in at once. We can give much better setting and display when ample time is given than when copy reaches the office late.

MR. D. B. Long, of Buffalo, is certainly an artist in the advertising line. His circular of the Genesee carnation unique in style, and the most completely illustrated thing of the kind which has been seen recently. The floral monogram on his catalogue of rooted cuttings just received is very neat in design and execution.

#### New York.

FLOWER RECEIPTS HEAVY AND PRICES
TENDING RAPIDLY DOWNWARD. — SUCCESSFUL MEETING OF THE MARKET FORISTS' ASSOCIATION. - EASTER PLANTS ALREADY ABUNDANT. WHITE FLOWERS LEADING .- FRITZ DRESSEL'S GOOD FOR-TUNE.-LECTURE BY PROF. J. B. SMITH FOR MARCH 15.—AMERICAN INSTITUTE MEETING.

The receipts of flowers are very heavy this week, owing to the favorable weather, and the unavoidable demolishing of prices is in progress. The great bulk of the flowers in some lines goes now to the Greeks, who have fairly swarmed about the wholesale districts since spring weather set in, and these chaps are adepts in the science of price breaking. Every day now sees a further drop, and this is likely to be the story without material variation until Easter. The usual protests from the growers are coming in from all sides, but there is no possible remedy. The better class of retailers pay fair rates for a little selected stock, but this advantage is swallowed up in the "lump" prices at which the greater part of the flowers must be disposed of.

On Tuesday evening, March 1, the usual monthly meeting of the New York Market Florists' Association was held. John Birnie presided with his usual ability and much enthusiasm was developed, a goodly number of new members being admitted and fifteen or sixteen additional stands engaged. An interesting report was made by Messrs. O'Mara and Steinhoff on the hearing before the New Jersey legislature in reference to the exemption of florists' stock from the terms of the bill relative to insect pests. A special meeting for the allottment of stands will be held on March 15, and it is expected that the market will be open for business about March 26.

The retailers' windows are bright with azaleas, lilies, genistas and boxes of hyacinths, and a very decided Easter appearance is noted. The effect of this on Easter business is a question. The element of novelty being eliminated from the Easter offerings, is it not possible that Easter trade may suffer? The millinery people take a different course; their goods are kept well out of sight until the desired moment, and the sensational effect which the fashionable public crave is thus assured. Another disquieting symptom just now is very low prices at which plants, hyacinths in boxes especially, are offered, in some cases actually less than the original cost of the bulbs.

A disposition to favor light colored flowers in preference to the red and pink which have held the lead all through the season is manifest. Meteors and American Beauties move slowly and Bride out-classes Bridesmaid. J. K. Allen is receiving white violets in excellent quality and finds a gratifying increase in the call for them.

Fritz Dressel announces with becoming pride the arrival of a little Fritz at his home on the 8th inst. His friends have kept the telephone hot ever since with their congratulations.

Prof. John B. Smith will address the New York Florists' Club on Monday evening, March 14, on "Greenhouse Pests." Prof. Smith is a most entertaining talker, and should have a crowded

The American Institute held a successful meeting and exhibition on Wednesday, 9th inst., in which carnations were the leading feature.

The Park Board have made John De Wolf landscape architect at a salary of \$4000. He was selected from thirteen candidates, and will not be compelled to undergo a civil service examination.

The Florists' Board of Trade has been incorporated with a capital stock of \$5000.

C. Christianson will move from Broad-

way to Tenth street about May 1.
Fitzgerald & Hammond have taken
the store at 113 West Thirtieth street
vacated by M. A. Hart.

M. A. Hart talks of having an "Easter ppening" as soon as the decorations of his new store are completed.

J. K. Allen has made some desirable improvements in his store, including repainting and change in location of office. Geo. Field has been dazzling the eyes of local orchid fanciers with a handsome white Dendrobium Wardianum.

J. M. Logan, vice-president of the New York Florists' Club, returned from England on the Umbria, March 6.

#### Philadelphia.

BUSINESS QUIET. - PRICES A LITTLE LOWER.—BULIOUS STOCK ABUNDANT.-ATTEMPTED BURGLARY AT D. D. L. FAR-SON'S.

The past week has been the quietest since Lent set in; there seem to be no orders to use large quantities of any one kind of flower, and as a consequence stock of all kinds is plentiful and a shade

Prices have held up bravely, but there comes a time when after hawking their stock about from store to store half the day without sales, the grower tumbles, and then so do the prices. The dealers will keep some for show, if the figures are tempting, as it is generally understood that a good display of stock increases business. Be this true or not the chief mission of the retail stores is to relieve

the growers and commission men of their various consignments, and stocks of plants and flowers, and to do so in as equitable a manner as is consistent with their dignity and the appreciation with which they are held by the flower buying public.

Prices are about as follows: Beauties \$6, \$5, \$4, \$3, \$2, and \$1 per dozen, the six dollar kindhaving stems four feet long and the one dollar grade about twelve inches. Brunners are now more plentiful and better than at any time this season, and sell from 1.50 to 4 perdozen. Teas are plentiful at from \$4 to \$8 per hundred. Carnations commence at \$1, move quickest at \$1.50, quality considered; the \$2 kind have quite a following and the aristocrats must be quoted at \$3 to \$4. Of these latter Wm. J. Baker, a huge red striped white ground variety is a conspicuous example. We doubt if any one ever took Wm. J. to be an aristocrat. He doesn't seem to be built that way, but his namesake finds a resting place in the houses of the rich exclusively, as none of them leave his fostering care unless the \$4 is forthcoming, and it is worth recording that he never has any left over, having customers for each consignment.

Bulbous stock, particularly daffodils, is abundant; \$3 to \$4 is the prevailing price. Lily of the valley same; for tulips \$3 is high; a little freesia is still about at \$1.50 to \$4. Violets are commencing to feel the effects of the warmer weather, and while the bunches are larger the prices are lower; 75 cents is now high for the best doubles, and single varieties are from 20 to 35 cents per hundred. It is bothering the growers hereabouts to name a price for their lilies for Easter delivery; \$10 per hundred flowers and buds has been the prevailing price for good stock the past few years, and not a few were satisfied with 50 cents per pot of five flowers or more to one plant. But things are differ-ent this season; most growers have thrown out half their stock and say the balance must be made to pay for those that failed. One grower says that he does not believe that he can be made to pay full prices for his bulbs, as while they were not guaranteed to be free from disease, they were found to be so badly infected that he will scarcely get enough out of the stock left to pay the original bill, and he proposes to make the dealer bear some of the loss. Another grower has turned up who declares that his stock bought from several dealers is as good this season as any he ever had, there being very little disease apparent. He thinks culture has much to do with the health of the plant.

Dutch hyacinths are quite plentiful and sell at \$10 per hundred in 4-inch pots. When asked if \$8 was not enough, a grower said "No, we have to get \$10 straight this year on account of the tariff." We wonder who paid the tariff on all the other dutiable articles this season, as there has been no perceptible increase in the prices of azaleas and bulbous stock. It would be too bad if the growers and dealers who seemed to want it had to pay it themselves.

Although he is not boasting about it. the good business done by D. D. L. Farson at his Fifteenth street store the past season has gotten out, and this, combined with the general air of prosperity about the place, tempted some of the "gentlemen of the jimmy" to pay him a visit a short time ago. He suffered no loss, however, beyond a few marks of their jimmy on the jamb of his front door, they being frightened away before effecting an

#### Chicago.

BUSINESS DULL. - WHOLESALE DEMORALIZED .- POT PLANTS SCARCE .-

The warm bright weather experienced during the past week has caused a marked change in the cut flower business. The retail store trade which until the weather became fine was fairly good, is now quite the reverse; very few flowers are at present being sold except for funerals, and those to be sent as presents where they are required to be put in a more attractive form than when they are sold by the Greek fakirs, extraordinary large hordes of whom are now on the streets. To these fakirs the store men attribute the cause of the depression in their business

In the wholesale market, except for first quality American Beauties and the better quality of earnations, there is no staple price for stock, only when one whole-saler wishes to buy from another, then the price is fixed sure enough.

Inquiries are beginning to be made for pot plants for Easter; some large orders have already been placed. The prospect is that there will not be enough first-class plants to supply the demand.

The Florists' Club met Thursday even-Two new members were elected. P. J. Hauswirth, chairman of the committee on the entertainment of the carnation society, at their meeting here last month, made his final report. Mr. Hauswirth reported that all the accounts had been settled up, and 25% of the funds placed at the disposal of the committee had already been returned to the subscribers leaving a balance still in the hands of the committee of \$5.40, which was turned over to the club.

Mr. Hill, of Maywood, read a entertaining paper on "Growing Roses After the reading of the paper a very lively discussion followed on rose and violet growing. Mr. Hill exhibited a vase of remarkably fine Brides and Bridesaids. Mr. J. Swenson exhibited a bunch of phenomenally fine violets. Mr. Geo. Baldwin exhibited a fine collection of

At the next meeting of the club Mr. E. Buettner is to read a paper on the Harrisii lily disease. Mr. Buettner has studied this subject for several years, and is capable of handling the matter in a way that will be both entertaining and instructive.

John B. Sherman has been elected president of the South Park Board of Commissioners, A.F. Foster was reappointed superintendent, Frederick Kanst gar-dener and Edw. Kanst, asst. gardener.

Vaughan, McKellar & Winterson have a fine lot of emerarias

The Blimois Cut Flower Co-have a nice lot of small palms

W. Lynch has added ice boxes to his supply department.

I'mt Kennicott, who was at home sick for a week is again janek at his desk.

Manney Pasci has gone to West Baden

tor a vacation of a week or two.

More Osen thirds of trying the Keeley care to take the blush out of his checks.

Mr. John Thorpe lett Tuesday for Hudson, O., to loos after some changes to be made at tile hals corth homestead. W. W. Barnard & Co. have opened a

branch, tore for market gardeners at 191 West Fandolph street, (Haymarket

Square)
W. L. Morris, of Des Moines, Iowa was the cit. Wedne day

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant adva. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year INS is entitled to a five-bine want adv. free to be used at any time during the year.

SITUATION WANTED-By a first-class all-round florist; specialty, cut flowers.

F 10, eare American Florist.

OJTUATION WANTED-By the 1st or middle of April by an experienced gardener and florist, to take charge of private place. Address Box 342, Highland Park, Ill.

SiTUATION WANTED—By a gardener, slogle.

German: Is years' experience: thoroughly able to take charge of private place. Best references.

F S, care American Floriat.

OITUATION WANTED—By young man, German, to commercial place: it years experience, abber and reliable: with chance of buying. E B, 26 State St., New York.

SITUATION WANTED—A No. 1 grower of roses, carnations, mums, etc.; sober and steady, competent to take charge; prefer the west. Address N N, care American Florist.

OITUATION WANTED—By young married man, one who understands the growing of roses and general stock. First-class references.

F F C, care Trenton Floral Co , Trenton, N. J.

O'ITUATION WANTED By a first class all-round forlst. 16 years experience; German, single; good grower of roses, carnations, mums and general stock. Good references. S, care American Florist.

SITUATION WANTED—By middle-seed gardener and florist with large experience in this country and Europe, especially in greenhouse culture of all kinds; private place preferred. Address E M, care Americao Florist.

SITUATION WANTED—By gardener and florist in commercial or private place; 15 years' experience, German, slugle man, age 30. Address E. Hofen, care Wm. Frith & Co.. 114 N. Market St., Nashville, Tenn.

SITUATION WANTED—By practical all-round florist, German, age 36, slogic; 20 years' experience in propagating and growing roses, caractions, mums, violets and pot plants. Best of references.

FLORIST, 713 West 8th St., Cincinnati, O.

CITUATION WANTED-By young man of good character on commercial or private place: 7 years' experience under first-class growers; age 24, German. Good references. Please state particulars. Address R. R. 33 Hague St., Jersey City fieldsts, N. Y.

OlTUATION WANTED—By an experienced grower of florists' stock, roses and carnations a specialty, as foreman; will invest \$500 in place if a live one and near a good market. For particulars address BUSINESS PARTNER, care American Florist.

SITUATION WANTED—By German, age 27, speaks Singlish; 13 years' experience in paims, propaga-tion and all kinds of pot plants; commercial place pre-ferred; state terms. Address A L. 185 Clarkson St. Flatbosh, Brooklyn, N. Y.

SITUATION WANTED—By a florist and landacape gardener. German, married, 40 years old; grows orchids, roses, carnations, mums; capable to take charge of commercial or private place. References, Address FRANK A. GOECKE, Kalamazoo, Mich.

OTTUATION WANTED By a well-experienced fore-man, a hustler, good manager, first-class rose and ent flower grower. Bestof references. Only first-class parties need apply: open for engagement to suit em-ployer. Address FOREMAN, care Am. Florist.

STTTATION WANTED By young single man gen-bern commercial place, 15 years experience, all branches, England and America; specialities roses and carmations; sober and reliable. References. State particulars and wages. HARRY DONNELLY, 395 Pawtucket Ave., Pawtucket, R. I.

WANTED The address of Carl Jorgensen, Dane, Amager. Address
L.JENSEN, South Buffe, Mont.

POR ILENT Klondlke here! 8000 feet glass, stocked with roses and earmations \$25 per month; immediate possession. 1011 N. 5th St., Reading, Pa.

WANTED One or two tirst-class young workmen; good, all round greenhouse men. Address CROWN THEE GREENHOUSE. 3003 Senate Ave., indiamapolls, Ind.

WANTED Samples and best prices on 4000 to 2000 American Boardy roses for planting out in fleid. Quote prices delivered in Duilus TEAAS SEED A FLORAL CO., Dallas, Tex.

WANTED Young man wanted as assistant foreman to grow mostly roses carnations, bedding staff, energetic, sober, no tolucco. Must be a finite state wages. S.J. Long, Petoskey, Mich.

WANTED A young man necessioned to growing reder), ontous and asparagus, and who is willing and capable of making binself useful around green-lenases. Good place, with chance for promotion. If A LEYSBAY, Birmbajham, Ala.

WANTED To buy from growers when throwing out act of 200 roses, Am Beauty, La France, Kalserin Bridges, Meteor, Albany, Slebrecht, Maids, etc. state price same must be cheap. Weglern and southern growers preferred. Stock, care Am. Florist

WANTED—Competent and practical florist to take charge of loog-established business to western city; married mon preferred. State salary expected, For full particulars address B. S. Mills. 65 McLean Ave., Yookera, N. Y.

WANTED-Reliable, sober man of good babits, to take charge of 25,000 palms and ficus, and grow 50,000 ferus for dishes. \$30 per month and board; chance to be foreman if earnest and capable, with interest in the firm.

A. F., care Am. Florist.

WANTED-A competent grower of cucumbers and tomatoes under glass; a single American preferred, who must come well recommended as to character and ability. State wages expected.

EDGAR A. LAMPREY,
Mgr. Nelson Farm, Marshield Hills, Mass.

 $F^{
m OR~SALE=600}$  feet 4-loch cast lron pipe; 38 boxes 10x12 double A glass. 175, care Am. Florist.

FOR SALE OR RENT-Seven greenhouses on West Foster Avenue, Chicago. Apply to Jobo Leluan or next door.

FOR SALE—Cheap for cash, an old-established florist and seed store drawing good business; owner has two places. 174, care American Florist.

FOR SALE OR FOR RENT-Three greenhouses and residence at Rogers Park. For particulars call or address
P. G. Room 6, 127 Wells St., Chicago, Ill.

FOR SALE OR RENT-Flourishing florist business, including stock of plants and all implements, with our without grounds. Terms to sult. For particular address M, care American Florist.

#### FOR SALE.

One dwelling house, two greenhouses 17xLO, newly built, well located and good home trade, on street car line, near city of 300,000 population. For particulars address H S. care American Florist.

#### FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good lovestment and a money maker for a hustler. Owner must retire on account of poor health. For particulars write

A. LEUINER, Wausau. Wis.

#### SITUATION WANTED.

Place where a good man is wanted and fair wages will be paid, between March and May. No objection to destination. Married, no children; age 35.

Post Office Box 2. Dunellen. N. 1. Post Office Box 2, Dunellen, N. J.

#### WANTED.

A sober and industrious married man, one capable of growing good roses and other plants on commercial place. Permanent situation for a good man. Wages \$12 per week

CHAS. FREMD,

RYE NURSERIES, - - - RYE, N. Y.

## Situation Wanted.

A COMPETENT MANACER of thorough ablily and over 20 years' practical experience desires a postition to take entire charge of private estate, park or ilratchiss commercial place; an expetienced cultivator or paims, orchids, librists' stock in general, shrubbory, iruit and vegetables; a good libral decorptor. Thoroughly reliable, married, with small family. Good wages required. Address

FLORIST, care S. J. Nelson, 206 E. 28th St., New York.

# WANTED

A large quantity of Boston Fern. State size and lowest cash price per thousand. Address . . .

S J. care American Florist, Eastern Office, 67 Bromfield St., Boston, Mass.

# Here is a Rare piete flower store, including stock, chalorate flytures, a well stocked conservation, in a city

Opportunity antory, etc., in a city of half a million intablighted stand. Speak quick it interested. For

S, care American Florist.

Mention the American Florist when writing to advertisers on this page.

### St. Louis.

TRADE SLOWER.-STOCK COMING IN FREELY. -PREPARATIONS FOR EASTER TRADE.-WHOLESALE COMMISSION FIRM ASSIGNS

Trade for the week just closed has been slower than at any time since the opening of Lent; so far Lent has not had such a depressing effect as one usually expects, but if it continues to be as dull as it has been for the past day or two the much talked of Lenten dullness will have arrived in full force. With the glass standing at about 60° at night, stock has commenced to come in more freely, and roses are the first thing to show any indications of an over-stock. We hear, however, that carnations are quoted by out of town commission men at \$5 per 1000; the supply must be excessive somewhere; it is but just to say this is on a 5000 order.

Although Easter is more than a month away, growers and dealers are all making preparations for that time. From present indications plants will be the principal thing handled. The trade in these is following the eastern example and is growing larger and larger each season.

Especial run has been made since Lent commenced by Ellison & Tesson on violet plants in bloom, and a pot cover made in violet shades from crepe paper. The idea has taken immensely as the combinations are appropriate to the Lenten season.

The wholesale commission firm doing business under the name of Mound City Cut Flower Co. has made an assignment naming Mr. Barr, of the Barr & Widen Commercial Agency, as assignee.

Mr. J. M. Jordan is still very seriously ill. R. F. T.

# REINBERG BROS. WHOLESALE GROWERS OF CUT FLOWERS.

500,000 FEET OF CLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations.

We AR Headquarters for fine AMERICAN BEAUTIES Give us a trial and convince yourself.

Salesroom, 51 Wabash Ave., CHICAGO.

# **Asparagus**

Strings 8 to 10 feet long. 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

CONSIGNMENTS CINCINNATI, O. SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS

Everybody is more pleased if you say "saw your ad in the American Florist" when writing.

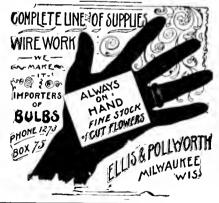
Oswego, N. Y.—Mr. Gco. B. Jarrell died on the morning of February 25, he having received a stroke of apoplexy the previous evening. Mr. Jarrell was born in Watertown fifty-six years ago, and had been in the flower business in Oswego for the past fifteen years.

# Wholesale Flower Markets

| **                                                                                           | ••                                                      | medinm                                 | .15 00 a 25.00                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                              | Brides                                                  |                                        | 5.00@ 7.00                                                                                                                                                                                |
| **                                                                                           | Brides                                                  | maids                                  | 5 00@ 7.00                                                                                                                                                                                |
| **                                                                                           | Meteor                                                  | ъ                                      | 6.00@ 8.00                                                                                                                                                                                |
| 44                                                                                           | Perles.                                                 | ****** *******************             | 1 000 5 00                                                                                                                                                                                |
| Carnat                                                                                       | lons                                                    | ******                                 |                                                                                                                                                                                           |
| **                                                                                           | far                                                     | ncy                                    | 3.00@ 4.00                                                                                                                                                                                |
| Valley                                                                                       | . <b></b>                                               |                                        | 3.00                                                                                                                                                                                      |
| Romar                                                                                        | 38                                                      | •••••                                  | 2.00@ 3.00                                                                                                                                                                                |
| Narcis                                                                                       | sus                                                     | *** **** ************                  | 3.00                                                                                                                                                                                      |
| Daffod                                                                                       | 118                                                     |                                        | 3 00                                                                                                                                                                                      |
| v ioieta                                                                                     | 3                                                       |                                        | .50@ .75                                                                                                                                                                                  |
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| Tullps                                                                                       |                                                         |                                        | 3.00% 4.00                                                                                                                                                                                |
| Smilax                                                                                       |                                                         |                                        | 10 00(a:12.50                                                                                                                                                                             |
| Adiani                                                                                       | um                                                      |                                        | 1 00                                                                                                                                                                                      |
| Aspara                                                                                       | gus                                                     |                                        | 50.00                                                                                                                                                                                     |
|                                                                                              |                                                         | St. Louis, March 10.                   |                                                                                                                                                                                           |
| Roses                                                                                        | Resutt                                                  | es                                     | 5 00@35.00                                                                                                                                                                                |
| 100000,                                                                                      | Meteor                                                  | 8                                      | 5.00@35.00<br>5.00@4.7.00                                                                                                                                                                 |
| 4.4                                                                                          | Bridge                                                  | Bridesmaids                            | 5.00@ 7.00                                                                                                                                                                                |
| 14                                                                                           | Parles                                                  | ······································ | 4.00@ 5.00                                                                                                                                                                                |
| 4.4                                                                                          | Wootte                                                  | on                                     | 1.000 5.00                                                                                                                                                                                |
| 61                                                                                           |                                                         |                                        |                                                                                                                                                                                           |
| 4.6                                                                                          | La Fra                                                  | nea                                    | 3.00@ 5.00                                                                                                                                                                                |
|                                                                                              | La Fra                                                  | nce                                    | 2.00 @ 10.00                                                                                                                                                                              |
| **                                                                                           | La Fra<br>Kalseri                                       | ncene                                  | 2.00@10.00<br>3.00@10.00                                                                                                                                                                  |
| **                                                                                           | La Fra<br>Kalseri<br>Carnot                             | ncene                                  | 2.00@10.00<br>3.00@10.00<br>4.00@10.00                                                                                                                                                    |
| Carnat                                                                                       | La Fra<br>Kalseri<br>Carnot<br>lous                     | ncene                                  | 2.00@10.00<br>3.00@10.00<br>4.00@10.00<br>2.50@.3.00                                                                                                                                      |
| Carnat                                                                                       | La Fra<br>Kalseri<br>Carnot<br>lous<br>Califo           | ncene                                  | 2.00@10.00<br>3.00@10.00<br>4.00@10.00<br>2.50@3.00<br>.25@.50                                                                                                                            |
| Carnat<br>Violets                                                                            | La Fra<br>Kalseri<br>Carnot<br>lous<br>Califo<br>single | nce<br>ne                              | 2.00@10.00<br>3.00@10.00<br>4.00@10 00<br>2.50@ 3 00<br>.25@ .50<br>15@ 25                                                                                                                |
| Carnat<br>Violets<br>Valley                                                                  | La Fra<br>Kalseri<br>Carnot<br>lons<br>Califo<br>single | ncene                                  | 2.00@10.00<br>3.00@10.00<br>4.00@10.00<br>2.50@3.00<br>.25@,50<br>.15@25<br>3.00@4.00                                                                                                     |
| Carnat<br>Violets<br>Valley<br>Harrisi                                                       | La Fra<br>Kalseri<br>Carnot<br>lous<br>Califo<br>single | nce                                    | 2.00@10.00<br>3.00@10.00<br>4.00@10.00<br>2.50@3.00<br>.25@.50<br>.15@25<br>3.00@4.00                                                                                                     |
| Carnat<br>Violets<br>Valley<br>Harrisi<br>Callas                                             | La Fra<br>Kalseri<br>Carnot<br>lons<br>Califo<br>single | nce.<br>ne                             | 2.00@10.00<br>3.00@10.00<br>4.00@10.00<br>2.50@3.00<br>.25@3.50<br>.15@25<br>3.00@4.00<br>12.50@15.00                                                                                     |
| Carnat<br>Violets<br>Valley<br>Harrisi<br>Callas<br>Tulips                                   | La Fra<br>Kaiseri<br>Carnot<br>lous<br>Califo<br>single | nce.<br>ne                             | 2.00@10.00<br>3.00@10.00<br>4.00@10 00<br>2.50@ 3 00<br>.25@ .50<br>.15@ 25<br>3.00@ 4 00<br>12.50@15.00<br>10.00@15.00                                                                   |
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| Carnat<br>Violets<br>Valley<br>Harrisi<br>Callas<br>Tulips<br>Narciss<br>Smils x             | La Fra<br>Kaiseri<br>Carnot<br>lous<br>Califo<br>single | ncene                                  | 2.00@10.00<br>3.00@10.00<br>4.00@10.00<br>2.50@3.00<br>.25@.50<br>.15@.25<br>.00@4.00<br>12.50@15.00<br>10.00@15.00<br>3.00@4.00<br>3.00@4.00                                             |
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| MILWAUKEE, March 11.             |
|----------------------------------|
| Roses, Beautyper dozen 1.(0@4,00 |
| " Brides, Bridesmaids 3 00% 8 00 |
| " Perle. Belle 3 00@ 5 00        |
| " Meteors 3 00@ 6 00             |
| Carnations 1 00@ 2.50            |
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| BUFFALO, March 10.               |
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# The American 🚜 🚜 Florist Company's

Of FLORISTS, NURSERYMEN and SEEDSMEN of the United States and Canada is now undergoing a thorough revision, and the SIXTH EDITION

THE AMERICAN FEORIST COMPANY, 324 Dearborn Street, Chicago.

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|          | CF         | HCAGO.  | March 1   | 11.       |          |
|----------|------------|---------|-----------|-----------|----------|
| Rosea.   | Beautlea   | рег     | doz. 1.50 | (iu 4.00  |          |
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| 'allas   |            |         |           |           | 8.00     |
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PER HUNDRED. We sha have aboutdance of nice plants later by the

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| NEW YORK, March 9.                        |
|-------------------------------------------|
| Roses, Beauty,                            |
| " Brides, Bridesmald 2 00@ 6 00           |
| " Testont, Carnot                         |
| " Morgan, Meteor                          |
|                                           |
| Carnations 1.00@ 1.50                     |
| " fancy 1 50kd 3.00                       |
| Valley 1.00 & 2.00                        |
| Mignonette 2 00@ 6.00                     |
| Violets                                   |
| Harrisii 4.00@ 6 00                       |
| Tullps 1.50@ 3.00                         |
| BOSTON, March 9.                          |
|                                           |
| Roses Beauties                            |
| refre, Niphetos                           |
| Bride, Bridesmaid, Murgans 4 000 8.00     |
| " Carnot Meteor 4.00@ 8 00                |
| Carnations, ordinary 1.00@ 2 00           |
| " fancy                                   |
| Valley, Daffodlis                         |
| Violets                                   |
| Freesla                                   |
| Tulips                                    |
|                                           |
| PHILADELPHIA March 9.                     |
| Ruses, Beauties, per dozen3.00@6.00       |
| " Brunners, per dozen1.50@4.00            |
| " Teas 4.00@ 8.00                         |
| Carnations                                |
| " fancy 3 00@ 4.00                        |
| Valley 3 00@ 4.00                         |
| Violets                                   |
| Narciesus 2.50@ 3.00                      |
| Hyacinths                                 |
| Harristl                                  |
| Daffodils                                 |
| Tullps                                    |
| Tunpo,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |

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Roses shipped to all points. Price list on application.

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NEW YORK.

### Buffalo.

SPRING WEATHER ARRIVES.— HALF-PRICE AND BARGAIN COUNTERSALES.—A CARNATION EXHIBITION.

We are having weather that is decidedly suggestive of spring; the first robin has been seen, and the mud is hub deep on the country roads. Lent is here, too, and the customary quietness is being felt in the flower trade. Flowers are plentiful enough, such as they are, and good enough, what there is of them.

To help liven things up, some of the down-town flower stores have been indulging in half-price sales, and bargain counters, and other advanced ways of

the department store.

Violets are feeling the bright weather and are abundant and small.

Long is arranging for a carnation exhibition for Thursday the 10th inst, so I hope that those of us who were notable to get to Chicago will have an opportunity to see some of the new varieties, and see for ourselves what advance has been made during the year. This exhibition will probably bring out two or three new things from local growers, which seem to promise well.

We were honored during the week with an all too brief visit from Mr. W. N. Rudd, of Chicago, and we shall now proceed to do carnations and chrysantheniums in a way that will startle the neighborhood.

The Florists' Club still lives and it will hold its annual meeting, and give its customary banquet in a few days. At the same time it is hoped that a decision may be reached in regard to a fall show. C.

### New Orleans.

Our winter has been very mild, consequently no killed geraniums, no dead heliotrope, alternanthera, or other plants that the florists have to replenish every season. This is bad for the business in one way, while on the contrary it gives more satisfaction to the amateur, who is

thus more encouraged to invest in some new plants.

Our plant market has fully started. After a nice display of azaleas, which were offered during the last month, comes the geranium, which fills the bulk of our stands at the market. They are generally nice and well grown, retailing at from 15 to 25 cents according to size. The supply of all other plants seems to be very large this year, but about the prices we can not say very much yet.

Roses are offered at such different figures that it is hard to tell what they are worth. Still several sensible florists seem to realize that it is foolish to offer a well grown potted rose for any less than \$3

1 dozen

Preparations are being made for the flower show which is to take place the last days of the month. M. M. L.

### Worcester, Mass.

The annual reunion and banquet of the Worcester County Horticultural Society was held on Wednesday evening, March 9, and proved to be a very enjoyable affair. The banquet was served at 6:30 o'clock, and was followed by brief addresses from prominent horticulturists

and other guests of the society; after which dancing was indulged in until ameanly hour.

Trade continues fairly brisk, and florists are getting about all the stock they can handle. The weather is very warm and sunny.

A. H. L.

# | Varieties of Begonia Semperflorens

of which "Vernon" is perhaps the best known are gaining new friends every year, and are holding on to the old ones.

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Try CRIMSON GEM. CORAL GEM and DUCHESS OF EDINBURG in comparison with Geraniums.

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# The Easter Number...

OF THE AMERICAN FLORIST APRIL 2

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\* \* \* IT WILL REACH \* \* \*

EVERY ONE OF THEM---OVER 13,000







### Helpful Reminders.

This being a time when the retail trade is moderately quiet, and the evenings a good length, we are inclined to read most and lay our plans. It is opportune to remind growers of a few points as to how best to stock their houses for future crops, and suggest desirable alterations. I will take the first topic only now.

There is a growing demand for something suitable for decorations more than roses, carnations, violets, lily of the valley and Harrisii for staple flowers, or sweet peas for changes, not only for a change of variety but an improvement in style. A person who forms a habit of using flowers in the home, grows to enjoy them more and more as he learns to appreciate the perfect from the deformed. Note the development in rose and carnation culture; how short stemmed flowers were used five years ago; they can scarcely be given away now.

The successful decorators are imitating natural growths, drooping foliage, towering branches, vines for high places, etc., which are not in demand regularly but have come to be necessary at times.

I find that in many greenhouses which are adapted for just such plants as are wanted to-day, much space is wasted entirely. In the northwest and northeast corners, which are not used, large plants would not obstruct light from an ordinary crop in the benches.

Considerable space overhead at the entrance of many doorways are of no value to the crops in benches; something pretty there would be so much gain, when north walls as a rule go to waste, I mean a north wall which faces south: also

where a walk runs north and south, overhead it might as well be covered in almost every instance. Plants snitable for filling the demand referred to which are adapted to the situation spoken of, are of course many, but I will only mention those which I have had practical experience with. They are Jasminum grandiflorum, Rhynchospermum jasminoides, Bougainvillea, Stephanotis floribunda, Bignonia venusta, the Lamarque rose, Marchal Niel rose, Passiflora princeps, Lygodium scandens, asparagus (three varieties), and Maurandya.

Jasmine grown in open ground, can be trained up a few wires south of walk and cover the walk so that a person may pass under it.

Rhynchospermum is a compact growing vine; it only blooms once a year, but bears an immense crop and lasts for six weeks. The flowers are sweet-scented, shaped something like potato blossoms. A milky sap runs out when cut. Rake in some manure every year, and be sure it has a good watering once a month. The temperature of the house in winter should be from 50° to 60° degrees.

The stephanotis is entirely different; it does well in the same house but it is best to give this plant numerous bamboo poles to run on, such as are commonly used for staking chrysanthemums and other plants, from six to eight feet long. The vines are thick stemmed with but few leaves; there are no tendrils, but it likes to run around other stems. Place a number of these canes in the ground, radiating in different directions, like a fan or a peacock's tail; a vine will run up each. The flowers are in clusters mostly at the end; it takes so little light that it can run over other plants with no injury. The

flowers come in summer mostly, when greenhouse flowers are so scarce.

The Bougainvillea has been so much talked about lately that no discription is necessary.

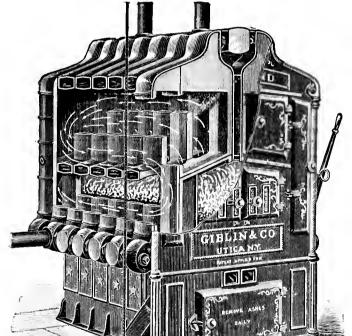
The Bignonia venusta is a grand plant, and can be run on wires overhead in a part of the greenhouse used for packing and filling orders, and serves as an awning to shade the men at work. When it gets in the way of other plants, cut it back. It bears immense crops of flowers in the shape of a trumpet honeysuckle, but about ten times as large, and of a rich dark orange color. This plant will be in bloom from March 15 to April 15, and can be cut in pieces varying from one to ten feet long, often giving a glorious crop for Easter.

The Lamarque and Marechal Niel roses will grow almost anywhere; growers can have the roots in open ground, any place, and train the stem to wherever there is overhead room or wall space; they have pretty flowers and the branches are quite valuable for arranging with other roses, the whole year around. The demand for this sort of wood is on the increase.

Passiflora princeps has pretty, closely arranged leaves, with a scarlet flower; it is always welcome in decorations. It is a money maker to some enterprising grower, as it ships well.

The Lygodium scandens is a beautiful vine; it is most particularly valuable for making its strings regulary in summer, when smilax is frequently out of crop. It is prettier than smilax, a small bed of it sends up its fronds year after year with little attention other than keeping out the weeds and giving water; it is a fern. C. B. W.

# PROFIT IS CERTAIN....



in the prudent and thorough heating of a greenhouse as much as in large sales of stock. If a florist is burdened by an unnecessary annual tax of from

# \$50 ~ \$100

for fuel and extra labor he must work much harder in order to make up this unnecessary tax out of the profits of his business. We know from our past experience that there is no unnecessary tax for fuel and labor when our boilers are used, because they are made after careful examination of the reasons why other boilers have failed and their construction avoids the defects shown. No one has bought

# OUR BOILERS

that ever regretted it and thousands have bought and look back at the cost as the best investment they ever made.

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these florists say:

S. L. BRONSON, New Haven Conn., Jan. 4th, 1898 says: I have in my greenhouse one of your No. 40 Standard Sectional Hot Water Boilers, bought June 28th, 1897. I find that its work is truly excellent and think it is the best beater I ever had. I can find no fault with it in any particular.

is the best heater I ever had. I can find no fault with it in any particular. GEORGE BOYCE, Florist, Utica, N. Y. Jan. 3lat, 1888, says. I have thoroughly tested the No. 50 Standard Sectional Hot Water Boller bought of you leat fail and it is a pronounced success. It is very easy to raise the water to a high temperature and keep it so. The boller is easy to operate and I can arrange the firent 10 o'clock at night and find it in good condition at 7 o'clock in the morning, and by the use of drafts quickly obtain a new, bright tire for the day. The arrangements for cleaning are admirable as every part of the boller is accessible to the light and cleaning brush. You have certainly secured the right construction for a first-class greenhouse heater, and I can heartly recommend it to all florists.

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is free, and we are in business to give information about our boilers and heating greenhouses, and solicit correspondence.

### WE CAN MAKE

prices delivered at any station, so that a florist knows exactly what the cost will be of a boiler selected.

GIBLIN & CO., Utica, N. Y.

### Grafted Versus Own Root Roses.

The article under the above caption in the issue of February 12, from the pen of our esteemed friend, Mr. May, surprised me more than a little l must say. Though written ostensibly as a reply to certain letters of inquiry bearing upon the subject of grafting, it is very evident that Mr. May intended it to be, at the same time, a good square broad-sider for the man who was so reckless as to advocate grafted roses in his regular rose notes published in this paper. There can be no harm, however, in a little friendly criticism on the part of Mr. May. Criticism makes things lively, and is apt to bring out the truth and let in some light. We are a good deal in the dark yet in respect to many of the problems and difficulties of rose growing, and if any light can be turned on any heresies nailed to the wall, any specious theories exploded by such criticism the whole rose growing frater-nity will be placed under an everlasting obligation.

After reading the article in question very carefully, and thoroughly weighing all the evidence, pro and con, an impartial and unbiased mind would probably conclude that a clear case had been made out, and that henceforth no man (not a fool) would think of planting a grafted rose, which costs more to begin with, and produces less in the end. I am glad that Mr. May has said frankly he can give the experience of only one man (himself), because that gives the parties to the other side of the question a chance to show that the experience and testimony of one man, be he ever so conscientious, is not proof positive either one way or the other. I believe it is the preponderance of testimony which counts. If Mr. May has tried faithfully and continuously for twenty-four years to grow grafted roses, and in all that time has not met with success, he surely deserves the thanks of every member of the craft for his remarkable perseverance and Job-like patience. I confess that I should have given up in disgust years ago.

In my contributions to this paper I have at different times during the last two years said a good word for grafted roses; I couldn't help it. Somehow it seemed too good a thing to keep quiet about. I have claimed that they were in many respects superior to plants raised from cuttings, basing my claim on the following observations and conclusions: First, that plants worked on the Manetti if done properly, grow much more rapidly in the early stages than do those from cuttings, and consequently are ready to bloom much earlier in the season. This fact does not seem to be controverted. In the next place, that grafted plants will produce many more flowers during the season, which will grade higher on the average, because of longer and stiffer stems, even it the blooms are not any larger. Mr. May takes issue on this point, asserting that in his case the own root stock produced from 10% to 12% more blooms than the grafted article. If his plants bloomed so poorly I am not sur-prised that he is down "on 'em."

In the spring of 1886 the Bride made her debut and with us the first season was rather weak and disappointing (I suppose we expected too much). The next spring I gratted enough on the Manetti to plant half a bench as an experiment, with very gratifying results. It was not necessary to mark them, the increased agon and florierousness at once arrested the attention, the difference was very marked all, through the season though we unfortunately kept no separate

record of the cut. Three years ago, at Mr. A. N. Pierson's we experimented to the extent of 15,000 plants grafting some of every variety, and grew them side by side with own root stock, the result was that with the exception of Perle and Sunset, the grafted stock netted from 25% to 100% above the other, and led us to drop the rooted plants entirely, as far as Bride and Bridesmaid were concerned. One house with solid beds holding 1800 plants was filled with Bride, all grafted, and proved to be the finest house of roses that I have ever seen; the average per plant I do not remember, but the cut was large, and at least 75% of the flowers were good enough to class as extras. The same plants carried over were equally productive and the flowers quite as fine, or more so the following season. Another house with benches holding 2500 plants was filled with Bridesmaid, all grafted. I have previously called attention to this house, the season's cut of which was 130,000 blooms, or an average of fiftytwo per plant; the quality was not quite equal to the Brides in solid beds, but remarkably good nevertheless. Mr. May will agree that this is a very good average for Bridesmaid, almost equal to his best own root stock.

Another point I have urged in favor of grafted plants, and I now urge it more strongly than ever, namely that grafting gives increased vitality to the variety, and that by following it up year after year, instead of a rose becoming enfeebled and gradually deteriorating to be in the end discarded, as a result of the high pressure system of forcing under glass, with no fixed season for rest and recuperation, it is possible I think to not only maintain its native original vigor, but to actually improve upon it each successive year. This is no mere theory I am advancing, as from actual experience I am positive that it is so.

I would like to take Mr. May over to a little town in the center of the nutmeg state and show him house after house of Bride and Bridesmaid, every plant of which are on the Manetti stock. I would especially call his attention to four large houses standing side by side, two of them Bridesmaid, one Mrs. Pierpont Morgan, and the other Meteor, all grafted (I have never advocated the grafting of the two last named kinds), but if Mr. May can walk though those houses and see their wealth of foliage and bloom, and after-wards inspect the huge refrigerators where nearly all the blooms are "specials" and "extras," and then deliberately sit down and write to some correspondent that grafting is a failure, I shall be driven to the conclusion that "none are so blind as those who won't see."

In making our tests three years ago we had both grafted and own-root plants growing side by side in the same kind of soil, and having precisely the same treatment, in at least ten different houses, and when we came to pull them out at the end of the season we found, though we had not suspected it, that comparatively few of those on their own roots were freefrom root galls; some were a perfect mass, while not a trace could be seen on the Manetti; rather strange it seems to me, if it is really susceptible to the eel-worm. Since then I have received a great many inquiries bearing on this point, and to thoroughly satisfy myself I have examined hundreds of plants, and have also inquired' of those who were likely to know, but can truthfully say that I have never seen the first symptom of eel-worm on the roots of the Manetti.

In conclusion I would say that I have no doubt whatever of the sincerity of Mr. May in making the statements contained in his article, and that I thoroughly appreciate the service Mr. May has rendered to the rose-growing fraternity during the many years that he has freely and unreservedly given of his knowledge and experience for the benefit of all. May the ROBT. SIMPSON. good work go on.

# Palmer's Hot Bed Mats

Indestructible, Cheap and Warm

WILL not harbor mice or vermin. Easily handled. Bry out quickly after rain. Have now been in practical use three years, test less than old-lashfoned straw mats and entirely take their place.

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No. 1. Burlap Cloth, filled with combination wood and quilted, seams 3 mehes apart and edges firmly bound.

Size 40x76 inches, 50 cents each, 2 76x76 2 75 75 2 2

Made any length, 76 inches wide, at 12 cents per running foot.

No. 2. Duck Cloth outside, filled and quilted.

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### Death of Charles Hamilton.

Whether the saying, "Death loves a shining mark," be true in general or not, it certainly seems so when the member-ship of the Gardeners' Club of Baltimore is concerned. There was probably not one man in the trade who did not feel a pang of sincere grief when he heard of the death of Mr. Charles Hamilton on Thursday, March 3, at 5 o'clock a. m. Genial, sociable, kind-hearted, whole-souled "Charley." Where was the man in trouble that he did not sympathize with? Where was the sorrow he did not try to alleviate, the burden he would not share, the trial that he was not interested in? Where can be found the record of a more unostentationsly helpful, sincere, generous, unselfish life?

He had been seriously ill several times during the last four or five years; but after passing through a severe operation last year, had apparently quite recovered and when last at the club, was the picture of health and good spirits. His devotion to the interests of the club can best be shown by his action at the last meeting, when a number of members having failed to pay their dues for some time, he strenuously opposed striking their names from the roll, and finally undertook to see each one of them personally, and endeavor to persuade them to pay up.

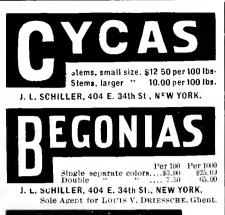
His unfailing good humor, and ready wit made him a general favorite. All seemed to appreciate the frankness and the open cheery way with which he engaged in the discussions and debates at the club, and in private life. He wasborn in County Armagh, Ireland, in 1828, and was educated at the National Academy. At the age of fifteen he began gardening on the grounds of Sir James Strong, Lyon Four years later he went to the Abbev. Botanical Garden at Dublin, where he remained until 1851, when he came to America. After spending three years in the florist establishment of Mr. Solomon B. Davies, he engaged with the late Mr. Hugh Jenkins, coffee importer. While Hugh Jenkins, coffee importer. While here he imported many orchids and exotics for Mr. Thomas Winans and Dr. Edmondson. He next entered the Bank of Baltimore where he remained until 1862, when he started his own greenhouses on the York road near Waverly.

In addition to the Gardeners' Club, where he was chairman of the executive committee, he held membership in the Improved Order of Heptasophs, and the Independent Order of American Mechanics.

He was married to Miss Margaret Barnhill, of Londonderry, Ireland, by whom he had four daughters who survive him, Misses Margaret E., Mary A., and Clara J. Hamilton and Mrs. Geo. B. Roche,

The funeral took place on Saturday at 3 p. m., and a better evidence of the high regard in which he was held, could not be asked than the attendance of gardeners on the chief market day of the week, and the great number of really beautiful floral pieces with which the cemetery lot was filled. The pall bearers were Messrs. N. F. Flitton, I. H. Moss, Geo. Roche, Sr., W. Hart, Jas. Pentland and Wm. Me-MACK. Roberts, Jr.

Paterson, N. J.-John Kerberg, of 114 Broadway, was struck and instantly killed by an express train on the Susquehanna railroad near Rochelle Park, when crossing the tracks on the morning of March 7. He leaves a widow and one son.





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St. Louis reports trade very active the past week on all lines.

THE mild and spring-like weather of the past week has increased the mail orders from 20' + to 30' ε.

VISITED CHICAGO: W. Brotherton, B. F. Brown, B. L. Grant.

THE Brown Bag-Filling Co, are putting in four of their machines at Chicago.

GOODWIN, HARRIES & Co., of Chicago, are making pea contracts in Wisconsin.

ALL California reports agree as to cold and drouth.

SWEET CORN is getting very scarce, and at last materially higher in price, also Telephone peas.

Columbus, O.-A. W. Livington's Sons report that their receipts are almost exactly 25' emore this year than last, and the number of orders shows the same rate of increase. This is more surprising when it is remembered that the weather last year was much more forward.

St. Paul.-L. L. May & Co. find business better on all lines, their trade in packet seeds in cases being exceptionally good both east and west. Carload orders for early Ohio potatoes are coming in. Mr. May will probably visit California this summer.

MINNEAPOLIS.-S V. Haines, of the firm of Miss C. II Lippincott reports high water mark in number of letters received March Total cash received also shows gain.

### Catalogues Received.

R. Douglas' Sons, Waukegan, Ill., trees, shrubs and fruits; Wm. Il. Moon Co., Morrisville, Pa., trees, shrubs, fruits and plants: Geo. F. Taber, Glen St. Mary, Fla., trees, shrubs and fruits; M. B. Fla., trees, shrubs and Irints; M. B. Faxon, Boston, Mass., seeds; Parsons & Sons Co., Flushing, N. V., trees, shrubs and fruits; A. Tilton & Son, Cleveland, O., seeds; L. E. Archins & Bro., Carthage, Mo., seeds, F. Sander & Co., New York, plants; Walter A. Potter & Co., Providence, R. L. seeds; N. W. Craft, Shore, N. C., fruits, vines and plants; Jos. W. Vestal & Son, Little Rock, Ark., plants; Ingle-C., truits, vines and plants; Jos. W. Vestal & Son, Little Rock, Ark., plants; Ingleside Floral Co., Alhambra, Cal., plants; Lager & Hurrell, Summit, N. J., orchids and orchid sundries, B. F. Merriman, Painesville, O., trees, shrubs and fruits; Williams & Sons Co., Batavia, Ill., plants and sundries, Frank Banning, Kinsman, O., seeds, A. A. Richardson, Faribault, Minn, seeds, Herbert A. Jackson, Portland, Me., trees, shrubs and fruits; E. C. Ergese, Harrington, Jul., traits, Lelie, E. Rand, Mc., trees, suruos and rruits; E. C. Freese, Harrington, Del., fruits, John F. Dayton, Waukon, Joaca, fruits, A. T. Goldsborough, Washington, D. C., fruits, Wm. H. Harrison & Sons, Lebanon Springs, N. V., trees, shrinbs and plants, Crote Nurseries, Crete, Neb., trees, shrubs and finits T. G. Pratt, Concord, Mass., trees shrubs and plants, Geo II. Whiting, Yankton S Dakota trees shrubs and fruits, S Lenton, Fullerton, Cal., trees, shrubs fruits and plants Ketten Bros., Luxembourg roses J C Schmidt, Erfurt, Germany sundries, L. H. Krelage & Sons, Haarlen, Holland, hulls, roots and plants Wilhelm Pitzer Stuttgart, Ger-many seeds and plants Ch-Molin, Lyon, I rano , seeds and plants, Webster Bros ,

Hamilton, Ont., plants; Hoosier Drill-Co., Richmond, Ind., drills.

### Cut Flower Price Lists Received.

Welch Bros., Boston; Wm. F. Kasting, Buffalo; W. A. McFadden, Cincinnati; Bassett & Washburn, Chicago; S. S. Pennock, Philadelphia; Frank W. Ball, Cincinnati; Holton & Hunkel, Mil-waukee; Ellis & Pollworth, Milwaukee; Illinois Cut Flower Company, Chicago.

### Portland, Ore.

Mrs. Rosa Pfunder, wife of L. G. Pfunder, the pioneer florist of Portland, Ore., died February 28, after a brief illness. Besides four children, who mourn the loss of their mother, Mr. Pfunder has lost a true and faithful wife and untiring helpmate in business. GEO. OTTEN.

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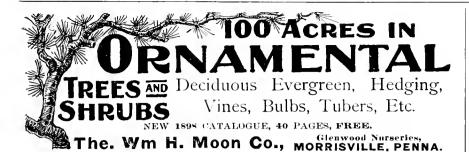
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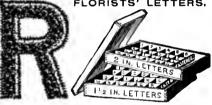
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| 3    | + 1   | S-in.   |      | 42 to 48    | **       |      | 4.4    | * *  |        |     | <br> |    | <br> |    | 50     |
| 1    | + 1   | 10-in.  |      | 4 to 5-ft   | high     |      |        |      | <br>٠. | • • | <br> | ٠. | <br> |    | 11(1)  |

ALL MEASUREMENTS FROM TOP OF POT.

# \*\*\*\*\*\*\*\*\*\*\*\*\*

JOHN H. LEY, Good Hope, D. C.

Solicits early orders for following fine stock: 
 NEPHROLEPIS, D. Furcans
 Each.
 Doz.

 31 1 4 feet over, full, splendid plants
 \$2.00
 \$18 00

 50 or more fronds (in pans)
 \$2.00
 \$18 00

NEPHROLEP'S, D. Furcans Very large, full of fronds, 3 feet over (6 luch pots, fit for 8-luch).......



# DWARF PAPAYAS

M<sup>OST</sup> magnificent bedding and decorative plant known. Equal to a palm in beauty and manner of growth; grows with the ease of the Ricinus and endures drought with impunity. Plan s from 4-in, pots set out June 1st attained a height of 10 feet and though not watered once, remained fresh and vigorous throughout the extreme drought. Also produces a delicious fruit; as easily grown as a tomato. Our plants are propagated from a tree which has produced this winter 192 lbs. of fruit, the largest weighing 12 lbs. Send for half-tone illustration from photo showing bed of these plants. Every florist needs it. Price \$2.25 per 12 for 3-in, pots, ready May 1st. We are headquarters for tropical plants. Send for list.

Martin Benson.

DONGOLA, ILLINOIS.

Strong plants, 6-inch pots, \$1.00 each; \$12.00 per doz.; also three varieties of PTERIS, bushy plants, 5-inch pots, 20c each; \$2.40 per doz.

JOHN WELSH YOUNG, .... CERMANTOWN,

### Carnations.

Helen Keller is a carnation one seldom sees to-day and will serve as a good object lesson. I had the pleasure of seeing this variety the year it was originated and watched its development with a great deal of pleasure, and am watching ir to-day as a teacher of facts, some of which will be given later on in the season.

Mr. Lonsdale, the originator of this variety, we all know as a man who does not do things by halves, and he certainly did not do this by halves. It was a pleasure to see it growing as he grew it, every flower a perfect gem as to form and markings, and the stems holding the flowers erect from as good and healthy plants as one could wish to see. The year it was sent out was but a repetition of the good qualities it had the year before, and visits to the place three or four times during the season always found it in bloom and bud. The cuttings were propagated with care, and the plants were not maltreated in any way to produce cuttings in quantity.

With all this promise and care the variety is now grown only by a few growers (with these few growers there is nothing in the market to-day can touch it). With the major portion of the growers the flowers do not open; they seem to get sleepy in the bud, and other faults are found, not without reason, either. The variety seemed to lose vigor the year it was put on the market, and has been going from bad to worse ever since.

Helen Keller is not alone in this respect, many of our new ones of the past few years have gone the same way, and there is certainly something wrong somewhere. I may be all wrong in my ideas, but the facts of the case seem to point out that we are going wrong with our introductions, by feeding them and petting them up to the extent we do for the purpose of having not only fine, but superfine flowers to show. Would it not be better for the introducer of a new variety to have a portion of his stock set aside for the pro-duction of exhibition blooms and the balance of it grown under good cultural condition and without any excess of stimulants, so as to produce a better class of wood for propagation. This would give the variety a better show with the general run of growers and would, I believe, considerably decrease the list of introductions, called in private correspondence, humbugs, frauds, etc.

Some of the new varieties of this season are just this class of cuttings taken from plants that are over stimulated, and the indications are that there will be several failures among the introductions of 1898, in a great measure due to this very cause. Once the general run of carnation growers recognize the fact that to have good carnations they must have houses equal to the best rose houses, and give them as much or in fact more care than a house of roses, this feature of carnation growing will be overcome. Until this era arrives the introducer of a new variety should ended or to have it in such a shape that it will stand the test of medium culture, or expect his variety to be condemned,

A lew words regarding the treatment of this class of stock may help the case

When a doctor prescribes whisky for a temperarce patient he will prescribe teaspoorful doses increasing to tablespoon. ful and it the treatment is for a lengthy period he sall gradualls get up to a mir ized drind. Now, it you are the recipient stallatch of cuttings that look as if they had been taken from strongly stimulated stock, or were boxed up in rich soil to make them appear extra strong and healthy, do not give them poor treatment in any way, shape or form. Keep up the feeding process or you and the variety are both "goners."

Give such cuttings good rich soil, with a little lime added if your soil is deficient in that element. See that they do not wilt or suffer from an excess or lack of water, and grow them in a temperature of at least 50% until well established in the pots or boxes, after which they will be the better for a temperature of 45° (these temperatures are for night with 10 higher during the day); grow them along in the latter temperature until planted out.

For my own stock I like to grow them in an ordinarily good soil and a temperature of about 50°, but for nearly all novelties it will be better to keep up the feeding process, and not let it lag until the variety has become thoroughly acclimated to your soil and treatment.

If the cuttings come affected with rust, do not grow them in a lower temperature than 50; 55° is better. Because cuttings have rust is no reason for throwing them away, as I have known instances without number where it has grown out of them or left them for some reason unknown. The time to throw them away, if at all, is just before planting in the field. It is not a wise thing to plant a lot of rusted stock in the same field with clean, for summer winds and rains will carry it from one lot to the other, and the result will be that your general stock will all become more or less affected, and while we all recognize the fact that rust is not the serious affair we once thought it, we at the same time want as much of our stock free from it as possible.

Summer treatment of rusted stock will form the paper for next week.

ALBERT M. HERR.

Lexox, Mass.-The March meeting of LENOX, MASS.—The March meeting of the Horticultural Society was attended by about thirty members. Two visitors, W. J. Stewart, of Boston, and W. A. Prosser, of New York, were present and in the absence of any regular programme were drawn upon for such entertainment as they could offer as the result of their experiences of the scenery and hospitality of the Berkshire hills in winter. Messrs. Russell, Donohue, Finaghty, Huss and Wingett were soon involved in the discussion which yielded plenty of entertainment, at least for their auditors. There was a nice exhibition of carnations, including a group of new ones from C. W. Ward, and some fine specimen blooms from Geo. Thompson. The latter received a certificate for his Storm King, and like honors were conferred on Mr. Ward's Gold Nugget, John Young and New York. A talk by Mr. Harrison on fruit is promised for the next meeting. Four new members were admitted.

# New Garnation, Gerise Queen.

DAILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.

JORN BREITMEYER A SONS.

Mt. Clemens, Mich..

Gents:- We have a few plants of your No. 16,
Cerise Queen, on trial; the flower is medium size,
but fine codor, in fact the only fault we find is its
dwarf habit; we should like to grow some for side
benches, as we believe it far superior to Tidal Wave
for that purpose, and should make a commercial
variety, but not high priced. Please give us your
best price on 1000 rooted entings.

Very truly yours,

DAILLEDOUZE BROS.

MOUNT GREENWOOD, ILL.

MOUNT GREENWOOD, ILL.
MR. FRED BREITMEYER,
Mt. Clemens, Mich..
DEAR SUR:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the endor, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted ealyy the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing, also we think one should be careful and not overfeed it, as it does not need it, but produces a fine tlower under ordinary care, Yours truly, C. W. JOHNSON.

H. DALE, Cut Flower Grower, BRAMPTON, ONTARIO,

MLSSRS, J. BREITMEYER A SONS,
Mt. Clemens, Mich.,
Gents - The plants of Cerise Queen which you sent me last spring for trial have done well; the flower is of Very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year
Your truly, H. DALE.

GEO. A. RACKHAM, Wholesale Grower, DETROIT, MICH.

DETROIT, MICH.

J. BREITMEYER & SONS,
Mt. Clemens, Mich.,
DEARSUS: In reply to yours asking as to my success with your No. 16, Cerise Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.

Yours, GEO, A. RACKHAM.

We predict CERISE QUEEN is the coming Dark Pink Commercial Carnation. Orders booked and filled in rotation. Price, \$2 per doz.; \$10 per [00]; \$75 per [000]. The Price the best of all yellows. Buy your stock from the Originators. Our stock is in excellent condition; \$5 per [00]; \$10 per [000], \$10 per [000]. R. C.

JOHN BREITMEYER & SONS, Cor. Gratiot and Miami Aves DETROIT, MICH.

Flora Hill CARNATION ...

It sells because there is nothing in sight to at all equal it. It speaks for itself wherever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40.00 per 1000.

Our trade list is issued. If you have not received one send for it.

E. G. HILL & CO.. = Richmond. Ind.

Richmond, Ind. E. G. HILL & CO., 

# A Visit to Rogers Park.

At the southeast corner of Ridge avenue and Pratt street, Adam Zender has four large rose houses. One house in Beauties, one of Meteors and two with Brides, Bridesmaid, Kaiserin and Perle. Although off crop at present the plants are in excel-lent condition and breaking finely. There will be a large crophere very soon. About two blocks south, on the opposite side of Ridge avenue, Mr. Zender has a larger place. Here roses and carnations are grown. One house of Portias was phenomenally good. Mr. Zender considers Portia his best paying carnation. While going through a house of McGowan Mr. Zender called attention to the fact that though generally the plants were strong and healthy, a few were dying. An examination revealed the disease to be stem rot, and every plant so affected had been planted from one to three inches too deep. So much has been written about the injurious effects of planting carnations too deep that the subject should by this time be thoroughly understood by every car-nation grower. When carnation plants are unevenly grown, some short and others tall, with perhaps five or six inches of clear stem before branching, the average employe, unless closely looked after, is employe, unless closely looked after, is tempted to set the plants so as to make them look the best at the time of plant-ing, by planting the tall long stemmed ones deep, so as to give the plants a more even appearance. The result is that unless they are very carefully watered, the deep planted ones soon die.

All roses here were in fine shape. A very large number of flowers are being cut at present. One large house about 170 feet long, half Brides and half Brides-

maids, was in a remarkably vigorous condition. A heavy crop of flowers is being cut from this house, and at the same time strong breaks are coming along that will produce a more abundant crop later on. Mr. Zender says this house was the last one he planted, and his poorest and smallest plants were used. The very hot weather which came on soon after planting seemed to check the growth in this less than in any of the others.

Wietor Brothers, on Devon avenue. about a quarter of a mile southwest of Mr. Zender's place were next visited. The firm of Wietor Brothers is one of the five largest growers around Chicago. Roses are the principal product, and American Beauty the leading rose grown. Four houses of Meteors were very good. Messrs. Wietor have one house all planted to Perle, except a few President Carnots. As a winter rose Carnot is a total failure. It neither produces wood nor flowers. About three-fourths of the whole place is planted in American Beauties. Í never before saw Beauty plants so uniform in size and shape after a winter forcing. Quite a large number of blooms are being cut at present, though but a small pro-portion on long stems. There will be a good crop of long stemmed Beauties in a few weeks.

Triumph and Armazindy are the favorite carnations here. They claim that Triumph with them produces as many flowers as Scott and of a superior quality. I have seen Triumph in a number of places around Chicago, but nowhere else so good as here. Armazindy does equally well, and from the appearance of the plants as grown here, should judge it to be a wonderful bloomer for a carnation

of its size.

Wietor Brothers have a sport from Armazindy which is a very beautiful carand Tidal Wave. It is quite a large flower with stem and foliage all that could be desired. They are now building five new houses, 27x130 feet. All are intended for American Beauties.

R. J. Donovan's was next on the list. He was not at home, and as the shades of night were beginning to appear, only a short call was made. Mr. Donovan has for many years been regarded as one of the best violet growers around Chicago. Violets have done poorly this winter with every one in this vicinity, and Mr. Donovan's among the rest. His carnations are doing well. The usual supply of hydrangeas will be ready for Decoration Day. I. T. A.

### Pittsburg.

Trade is fairly good, considering that the Lenten season is fully under way and that society has given up the large and numerous social functions that are generally to the front. One or two good days of general trade with the balance of the week just so-so fulfills the conditions now.

Mr. H. Weber, of Weber & Son, Oakland, Md., was a recent visitor, and on Saturday gave a fine exhibit of the hybrid tea pink rose Mrs. Robert Garrett. A large vase of magnificent blooms were placed at Mr. Gus. Ludwig's stand, attracting universal admiration both for form, color and general excellence

Mr. Ernest Ashley, representing Mr. Henry A. Dreer, Philadelphia, was also with us. He reports trade good.

REGIA.



### Tree Cutting in Boston Parks.

There has been considerable agitation and discussion of late with regard to the thinning of some tree plantations in the public parks of Boston. The superintendent of parks, Mr. J. A. Pettigrew, considered the removal of certain trees necessary to the welfare of the woods, and removed them. The uninformed newspapers and public made protest, and Mr. l'ettigrew, in a recent letter to the chairman of the Board of Park Commissioners, explains the situation and deals with his critics as follows:

"Regarding the petition which Mr. Winslow and other gentlemen presented to the park board at Pine Bank, January 24, asking that the board select advisers from a list of names submitted by them, based on the statement that in the matter in question (the thinning of woods and plantations) 'you rely on your superintendent, who himself does not wish to be wholly responsible,' I beg to say, I have no desire, nor have I expressed any, to be relieved of any responsibility, in this work. It is one of necessity where healthy natural effects are desired, and one that practical foresters and landscape garden-

ers understand.
"These statements certainly are not the result of close observation or investiga-tion, as can be proved by present condi-tions. I am able to say that the intent and purpose of the work that has been done on the plantations and woods were the opposite of those contained in the charges. The work of marking the trees for cutting was done in the summer, when the trees were in full leaf. Consequently, the condition of each tree could be accurately ascertained. Special effort was

# NATHAN SMITH & SON

Wholesale Florists

Specialties & ADRIAN, MICH.

**CHRYSANTEMUMS** CARNATIONS .\*.\*.\* AND VIOLETS.

· · · CORRESPONDENCE SOLICITED · ·

made to retain or create pleasing or picturesque groupings. Where trees were heing injured by too close crowding, the weak or sickly were marked for cutting. In no case has a single fine tree been sacrificed. All ground cover, shrubbery or undergrowth of native material has been carefully preserved, except possibly in the case of young tree saplings which, for obvious reasons, have all been cut out, leaving only those selected to replace sickly trees or for other requirements.

"It is to be regretted that this work had not been commenced as soon as the lands came into the possession of the park department. Judicious thinning from year to year, with the planting of native shrubs would, ere this, have shown the effect of intelligent effort to assist nature, for nature can be assisted and the evidence of assistance be concealed.

"Hastily considered criticism of the landscape gardener's effort to improve the condition of growing timber by thinning out crowding trees is probably largely to blame for the deplorable conditions." tion of the trees in most of our parks

throughout the country. Central Park, New York, contains scarcely one fine specimen of a tree, even in grounds set apart for ornamental work; its wood-lands are forests of bare poles. Prospect Park, Brooklyn, still contains hundreds of nurse trees, planted for shelter to the intended permanent trees, which they have smothered and malformed, instead of protecting, because they were not cut out when their intended work was accomplished. Much of the planting will have to be commenced over again, the ruin being irretrievable, and all because of the mistaken sentiment against the cutting

of a tree.

"The places from where trees were cut last year cannot now be identified; it is ever found so in forestry, the branches, having more room, spread out, the boles feather out; the general health of the tree is improved; undergrowth is encouraged, having more light. The cutting down this year has even now left little evidence; none will be found in summer except in the greater wealth of verdure and natural beauty."

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Premium-5 Red Wave with every 100 Kathleen Pantlind.

Is a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Vaughan, McKeler & Winterson's every Wednesday and Saturday. HOPP & LEMKE,

Paul P. O., E. GRAND RAPIDS, MICH.

A RUST PROOF CARNATION FOR BUSINESS.

Bright searlet and POSITIVELY RUST PROOF. As productive as Scott. Rooted Cuttings Feb. 15th, \$10 per 100, \$75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of '98, fifteen varieties of '97 and older standard sorts.

GEO. HANCOCK & SON. GRAND MAVEN. MICH

\$100 REWARD | will be oaid for any RUST found in our Carnations. All Pure and Healthy. Throw out that old RUSTY Stock, begin anew with clean stock.

Meteor. | Stock | begin anew with clean stock. |
Storm Klug | Stock | Storm Klug | Storm K

McDONALD & STEELE, 109 S. Washington St., Crawfordsville, Ind.

New Carnation



Wins Certificate at Chicago. delay your orders and get left.....

Cuttings from sand, \$2.00 per doz.; \$10 per 100; \$75 per 1000.

Twenty-five (\$25) dollars will be offered for the best 50 blooms at November Show held in Chicago. STOLLERY BROS., ARGYLE PARK, Chicago, III.

# TELEGRAPH CODE

AM. SEED TRADE ASSOCIATION BH.OO

in either stiff or flexible cover ADDRESS ORDERS TO

> AMERICAN FLORIST CO., CHICAGO.

BAKER'S

# NEW CARNATIONS.

Grown and tested five years

ONEIDA: Fure pink healthy, no rust, continuous preducer ingest size bloom

RED JACKET Bright red fine stem and calyx; continuous cropper: \$810.00 per 100.

Orders broked now to be filled in rotation as fast as rooted

C. F. HARBH, Utlon, N. Y.

April 2...

IS THE DATE OF THE

Easter Number

### Cleveland.

The Lenten season so far, continues to be an agreeable surprise. It is true that business tends to show on the average a selight falling off from the first week of Lent, but it is hardly noticeable with most florists, and is not large with any so far as reported. Wholesale prices have shown a slight tendency toward weakening, but this is owing more to the usual spring increase in the supply of stock than to decrease in amount of business. very noticeable improvement in quality tends also to maintain wholesale prices, while the weather, which at this writing -and has been for some time—very fine, helps the retailer very materially in disposing of the stock coming in. Bulb stuff, so far this season, has never been in any serious over-supply.

Florists' row on Eric street is pretty well broken up nowadays. E. J. Paddock has moved out and taken a store further down the street. Charles Erhardt moves over on Prospect street in a few days. W. H. Beaumont has rented a store on Bond street, opposite the Hollenden, and fixed it up in fine style. These with Winterfield's establishment, closed some time ago, take four right out of the neighborhood, and leaves C. M. Wagner alone in his glory on the opposite side of the street; and in their place, which shall know them no more, will shortly loom a huge business block.

The advance guard of the Dutch bulb men struck the town the other day in the person of the representative of Van Waveren

& Kruyff.

Miss Eadie returned lately from an extended sojourn in Florida, the "land of flowers," which title, according to that lady, is entirely unmerited, so far as florists' flowers are concerned.

A.

THE BEST OF THE NEW PINK CARNATIONS

Mrs. Frances Joost.

A WINNER EVERYWHERE.

\$2.00 per dozen; \$10.00 per 100: \$75.00 per 1000 Cash with order.

C. BESOLD, Mineola, L. I., N. Y.

Experiences

. . . WiTH . . .

# **CARNATIONS**

will be cultural as well as descriptive, and sent free to all applicants.

I Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Triumph.

ALBERT M. HERR.

..... LANCASTER, PA. 

# Carnations Chrysanthemums NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS. - Oakland, Md.

# NEW GARNATION

# "Mrs.S.A. Northway"

A soft shell pink, developing to nearly pure white.

# OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation. .

PRICE: PER 100. \$10.00.



# Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2<sup>1</sup>4-inch pots, \$5.00 per 100 \*\*\* \*\*\* ROOTED CUTTINGS, \$3.00 per 100: \$25.00 per 1000. Net cash. \*\*\*

# GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named. \$25 per 1000; unnamed. \$20 per 1000. & ROOTED CUTTING, \$12.50 per 1000. Net cash. \*\*\*\*

# Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100.

# UW. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist & & & & &

> As originators and introducers of

"Silver Spray,"

"Tidal Wave,"

"Daybreak,"

and "Rose Oueen."

each of which has, we believe. proven even better than we claimed for them. We NOW say for 1898 that

# "Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.

It is free from rust or disease.

It is a profuse bloomer.

It has excedingly strong stiff stems. It is of exquisite form full and

double.

The flower is high built. petals serrated.

The calyx does not burst.

It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants.

SEND FOR

# W. P. SIMMONS & CO., Geneva, Ohio.

PRICE LIST of rooted cuttings of New Carnation

| 1   | doze | n or | up, prepaid | l by ma | il or ex | press                                   | \$ 1.3 | 5     |      |
|-----|------|------|-------------|---------|----------|-----------------------------------------|--------|-------|------|
|     |      |      |             |         |          |                                         | to c   | 0 per | 100  |
| 1   | 100  | "    | purchaser   | paying  | charges  | ;                                       | 8.c    | 0 per | 100  |
| - 2 | 250  | 4.6  | **          | 1.6     |          |                                         |        |       |      |
|     | 500  | 4.6  | 64          | **      | 6.4      | *************************************** | 67     | 5 per | 100  |
| 1,0 | 000  | 64   | **          | **      | **       |                                         | 65.0   | 0 per | 1000 |

Descriptive illustrated and priced circular free.

DAN'L B. LONG. Sales Agent, Buffalo, N. Y. ····

# SOUTH PARK FLORAL CO., New Castle, Ind.

AT THE MEETING OF-

American Carnation Society

WE GOT FIRST PRIZES ON .... ALBERTINI

HELEN KELLER AND ALASKA

NOT SO NEW & & & as some, but the flowers were so fine

they attracted a great deal of attention. We have very fine rooted cuttings of the above for sale. Write for prices on them and other varieties.

### St. Paul.

The bright warm weather has brought out an abundance of good blooms, the supply being the largest and the quality

the best of any time since Christmas.

Trade is good in spite of its being Lent, showing a substantial improvement over previous years. All stock is in good demand, though roses and carnations have the preference. The cut of violets, enhanced by the bright weather, is unusually large and prices have dropped accordingly.

Retail prices are well maintained though an occasional cut is noticed. The stores are all bright with blooming plants and everything in this line sells well; azaleas sell better than in several years, as do cinerarias, primulas and hyacinths.

Unite a good many roses are being shipped in from Milwaukee and Chicago, which does not speak well for our home growers. If more of our growers would grow roses and less bedding stock, prices would be better all around and profits larger at the end of the season. This is equally true of carnations.

L. N. Brant has recently located here as the representative of Brant & Noe, and has disposed of a great many flowers.

E. M. Parmelee, of the Jno. H. Allan Seed Company, Picton, Ont., was a recent

H. Peteler, formerly with Chris. Hanson, will shortly open a retail store on Robert street.

J. Haitomt has discontinued business. Superintendent Nussbanmer, at Como Park, has propagated a large quantity of spring bedding stock and will have them ready for the parks early.

J. C. Vaughan, of Chicago, was a

recent caller.

W. G. Bunde, formerly with J. C. Vaughan, has entered the State Univers-FELIX.

# New CARNATIONS.

WHITE CLOUD-White.

GOLD NUGGET-Yellow.

NEW YORK (Ward)-Bright cerise pink.

MRS. JAMES DEAN (Ward)-Clear silvery pink.

JOHN YOUNG (Ward) -White.

BON TUN (Ward)-Scarlet.

Prices for above varieties: \$2.00 per doz., \$10.00 per 100, \$75.00 per 100, per 100.

We will also have Cerise Queen (Breitmeyer),

Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Fire-fig. (Hancock), Psyche (Hill), Painted Lady (Hill), and Mra. S. A. Northway (Simmons). All good 1897 novelties and other standard varieties at reasonable prices.

<u>New</u> Chrysanthemums.

MRS. C. H. PEIRCE—Vellow.
35c each, \$3.50 per doz., \$25.00 per 100.
SNOW QUEEN—White
50c each \$5.00 per doz., \$35.00 per 100.
MERRY CHRIST MAS—Late White
35c each, \$3.50 per doz., \$25.00 per 100.

Seried for Descriptive Price List Ready January, 1839

F. DORNER & SONS CO. TAFAYETTE, IND.

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

In telling More of Lora Hill Davidreak Win Scitt Lizza Metawan Ever, Salver Spray Emily Pierce in too dfin hill Lorado, and others. Send rich as at of what you want and get prices before you but. We also have a fine lot of Carmitton and Violet blocking for sale. Write for prices widers as

CHAS. CHADWICK,

GRAND RAPIDS, MICH. Lock Box II.

# New CARNATIONS

### FOR SPRING OF '98 NOW READY.

WHITE CLOUD. EVELINA, per 1000. \$80. MRS. S. A. NORTHWAY. ARGYLE.

GOLD NUGGET. BON TON.

Price for strong, well-rooted cuttings, per doz., \$2.00; per 100. \$10.00; per 1000, \$75.00,

### VARIETIES OF 1897

| FLORA   | HIL | L  |    |    |   |      |  |   |
|---------|-----|----|----|----|---|------|--|---|
| JUBILE  | E   |    |    |    |   | <br> |  |   |
| MAYOR   | PIN | IG | R  | E. | Е |      |  | ٠ |
| MRS. C. |     |    |    |    |   |      |  |   |
| MOREL   |     |    | ٠. |    |   |      |  |   |
| VICTOR  | •   |    |    |    |   |      |  |   |

Strong, rooted cuttings from flats, per doz., 75c; per 100, \$5; per 1000, \$40....

CALADIUMS, Fancy Leaved, choice bulbs in named sorts, per doz., 75c; per 100, \$12.00.

# VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay St.

84-86 Randolph St., CHICACO-

# Orders Please

| All the Leading Carnations Now Ready. 19     | r 100 |
|----------------------------------------------|-------|
| Geranisms named, our selection only, 214-in. |       |
| Salvias, Chara Bedman, 24-in                 | -2.00 |
| Little Gem Feverfew, 214-in                  | -2.00 |
| Coleas, 20 best bedders, 214-in              | 1.50  |
| Lycopodium Denticulatum, 24-in               | 2.00  |
| Tradescantia Multicolor, 214-in              | -2.00 |
| Alternanthera Aurea Nana and P. Major,       |       |
| 214-in                                       | 2.00  |
|                                              |       |

# SEEDS

Mammoth Verbenas, Asters and Pansies

The Morris Floral Co. MORRIS, ILL.

# TRANSPLANTED CARNATIONS

| Jaybreak, t | ranep an |         |  |      |      |      |   |      |      |    |    |
|-------------|----------|---------|--|------|------|------|---|------|------|----|----|
| cott        |          |         |  |      |      |      |   |      |      |    |    |
| deGowan     | **       | **      |  | <br> |      | <br> |   |      | <br> | 1. | .5 |
| cohlnoor    |          | **      |  | <br> | <br> | <br> |   | <br> |      | 1  | 7  |
| leteor      | **       | 1.6     |  |      | <br> |      | ì |      | <br> | 2  | Ċ  |
| Bridesmald  | rooted o | nttings |  |      |      |      |   |      |      | 1  | 5  |

# CHRYSANTHEMUMS

Kate Washburn, early white; Mrs. Robinson, extra early white; Miss. Johnson, extra early yellow; elegant plants, 2½ in, pots, 40c per doz; \$3.50 per 100; rooted cuttings same 2c each. Salviss "Bonfre," extra fine 1½ in pots, 25c per doz.; \$2.00 per 100. New Yellow Marguerite, 2-in, pots, 30c per doz.; cuttings, 2c.

cuttings, 2c. California Violets, rooted cuttings or clumps. Cash, by express.

GEO. M. BRINKERHOFF, Springfield, III.

# 50,000 Flat-Grown GARNATIONS

| STRONG STOCK. De                      | r 100 | per 1000       |
|---------------------------------------|-------|----------------|
| Daybreak                              | 82.00 | <b>\$15.00</b> |
| Scott                                 | 2.00  | 15 00          |
| Rose Queen                            |       |                |
| Tidal wave                            | 1.50  | 12.00          |
| Portla                                | -1.50 | 12.00          |
| Rob Roy (new)                         | 10.00 |                |
| Jubilee                               | 3 00  |                |
| Snow Queen                            | 10.00 |                |
| Silver Spray                          | -1.50 | 12,00          |
| L. McGiowan                           | -1.50 | 12.00          |
| Eldorado, Meteor                      | 2.00  |                |
| Flora Hill                            | 5.00  |                |
| Triumph, Armazindy                    |       |                |
| Pluto, new, and I ncle Sam, new, both |       |                |
| varieties,                            | 10 00 |                |
| Cook with order HENRY & NIEMEYE       |       | ria Pa         |

Cash with order. HENRY A NIEMEYER, Erie, Pa.

### ROOTED CARNATIONS Stock....

Metrowan, Scott Tidal Wave, Cartledge \$1.00 per 100, ∄8,00 Jubilee, Dazzle

ROSES, from Bench or Pots.

toool stock, sure to please. Write for samples and prices.

W. H. GULLETT & SONS, Lincoln, III.

### CARNATIONS. EE. Rooted

I have a fine stock of this peerless variety, also most of the lending standard sorts. MARII 10(48) reloted runners at special low rates, Write for prices—Will exchange for fruit

W. W. COLES. - Kokomo, Ind.

# FLORA HILL

STANDARD VARIETIES

\$1.50 per 100, \$12.00 per 1000, 25 at 100 rates. Special price on 5000 or more,

NEW ROSE MRS. ROBT. CARRETT.....

\$3.50 per doz.; \$25.00 per 100.

### 250 BOXES 16x24 CLASS FOR SALE. One of a Hundred Similar Letters:

1240 Smith St., PROVIDENCE, R. I., Feb. 7, '98.

H. F. LITTLEFIELD.

Desr Sir:—I must admit the Flora Hill cuttings were the best I ever had from snyone; all well-rooted plps. If we con'd get such stock from everyone it would be a pleasure to try new onea.

Yours truly JOEN MACRAE.

H. F. LITTLEFIELD,

WORCESTER, MASS.

# **NEW CARNATION....**

# The largest, bright rich crim- Empress

Send for price list of above. New and Standard Sorts....

WM. SWAYNE, Box 226, Kennett Square, Pa.

# 40,000 TRANSPLANTED CARNATIONS:

Daybreak, Sc. tt. Rose Queen, H. Keller, Harrison's White, \$1.75 per 100 or \$15.00 per 1000; Th. mas Cartledge, Lizzle McGowan, \$1.25 per 100, \$10.00 per 1000. CHRYSANTHEMUMS, 25g-leeh nots. Major Bounaulou, \$2.00 per 100 or \$15.00 per 1000. President Smith, Eda Prass, \$2.00 per 100 or \$15.00 per 1000. VIOLETS, Marle Landso, 75c per 100 or \$5.00 per 1000. CERANIUMS, mixed varieties, good strong plants 35g in, pots, showing flowers, \$3.00 per 100 or \$3.00 per 100. 100, 25g-in, pots, \$2.00 per 100 or \$3.00 per 1000. Cash with order or satisfacte y reference.

PAXTON GREENHOUSES.

# ROOTED CUTTINGS

| Armazindy       |          |              | <br>82.50 | per 100s |
|-----------------|----------|--------------|-----------|----------|
| Mrs Fisher, 38  | (a) lust | 1000         | <br>1 00  | per 100  |
| Wm. Scott, \$10 | 00 per   | 1000         | <br>1 10  |          |
| Sweet Alyssum.  |          |              | <br>75    | per,100- |
| 4.1.1           | 1 11 34  | 170100 4 4 4 |           |          |

FRANK W. POORE, - Haverhill, Mass.

# WEST ISLIP GREENHOUSES.

CARNATIONS. Rooted Cuttings

Scott, Portla, McGowan, \$100 per 100, 8800 per 1000, Daybreak, \$150 per 100 Mixed Geraniums, from this, strong piants \$1500 per 100. Mixed Chimas, dry roots of the following sorts Alphonse Bouvier, Mine, Crozy, Chas Henderson, Oneen Charlotte, Burbank, John White, etc., \$250 per 100 Cash with order.

E. B. SUTTON, Jr., Babylon, L. I.

Please mention the American Florist

# **5000 GARDENIA FLORIDA**

(CAPE JASMINE.)

3-inch pots, 8-10 inches high, \$8 per 100; \$70 per 1000. 25.000 Capnas, dormant roots, in 20 hest sorts, \$20 per 1000.

Latania Borbonica, 4-inch pots, 1-2 choice leaves, 12-15 in., \$15 per 100.

Latania Borbonica 4-inch pots, 2-3 choice leaves, 15-18 in., \$20 per 100.

Phoenix Reclinata, 4 inch pots, 12-15 in., \$15 per 100. Phoenix Reclinata, 4-inch pots, 15-18 in., \$25 per 100. Oranges, hest sorts, grafted, 4-Inch pots, 10-12 in., \$20 per 100; 5-Inch pots, 18-20 in., \$30 per 100.

P. J. BERCKMANS, Augusta, Ga.

# **PELARGONIUMS**

JUST the thing for Easter Large specimen plants for 6 and 8-inch pots, just showing buds. 20e each; \$2 per doz. 2½-inch pot plants at \$4 per 100; such as Mabel, Mme. Vibert and others. Order at once as they are going out fast.

A. C. LAMPRECHT ASHLAND, OHIO.

# GERANIUMS that will please you and prices that will suit you

S. A. Nutt, LaFavorite, Heteranthe, \$2.50 per 100; \$20.00 per 1000; Beaute Poitevine, Mary Hill, \$3.00 per 100; Mme, Bruant, Frances Perkins, \$5.00 per 100, 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum, Prices upon application,

H. R. CARLTON, Willoughby, O.

# MARCH OFFER

| Per                                        | 100   |
|--------------------------------------------|-------|
| Alternanthera A. Nana, \$1.75; P. Major\$  | 2.00  |
| Begonias, 5 var. and Vernou                | 2.50  |
| Colens and Centaurea Gymnocarpa            | 2.00  |
| Geraniums, 2½-in. pots, \$2.50; 3-iu. pots | 3.75  |
| Marguerite (Paris Daisy) 4-in. pots        | 4.00  |
| Pansy plants, 1000, \$9.00                 | 1.(X) |
| CASIL WITH ORDER.                          |       |

JOS. H. CUNNINGHAM, - Delaware, Ohio.

# CHRYSANTHEMUMS

Here is a chance to get the best standard varieties, extra strong plants, extra cheap, Only \$2.25 per 100. 2½ and 3-in, stock; or will exchange for Jubilee, Victor or Flora Hill carnations.

F. WM. HECKENKAMP, Jr. 6th Ave. and Adams St., - QUINCY, ILL.

The Cottage Gardens OUEENS. L.I. Specialties in CARNATIONS, CHRYSANTHEMUMS CADDAS, GERADIUMS, DAHLIAS. SEND FOR OUR PRICE LIST ·····

The Jennings Strain of Finest Mixed Pansies....
Medium size, \$5 per 10000 express; 75c per 100 by mail. Seed of above. \$1 c. Aster Seed, Semple's Large Pansies in bloom

man. Seen of above. \$1 per packet; \$6 per ounce. Aster Seed, Semple's pink, \$1.50 per ounce. Large Pansies in bloom, ready March 20th. Cash with order.

E. B. JENNINGS, Southport, Conn. Lock Box 254. Grower of the Finest Pansies.

# THERE WE ARE AGAIN.メメメ VIOLETS, MARIE LOUISE.

Rooted Runners, \$1.00 per 1000; daily pick of dooms 10,000. Largest grower of Marie Louise violets, winner of the largest prize ever offered or Violets, Madison Square Garden, New York Sity. Cash with all orders.

GEO. T. SCHUNEMAN, Blue Point, L. I., N. Y.

### THE CHOICEST VARIETIES 100.000 **VERBENAS**. IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

# wwVERBENAS.ww

The finest collection in America, 35 varieties, every one a gem-mammoth size, striking colors, green as grass. Strong rooted cuttings, 60c per hundred; \$5.00 per thousand; five thousand, \$20.00. New Yellow Marguerite finest variety, strong 2-in. pot plants, 3c; rooted cuttings, 2c.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

# 'ERBENAS

ROOTED CUTTINGS. WELL ROOTED.

Crimson Bedder, Candidate, Mrs. J. C. Vaughan, Fire Hall, Lavender, Swayne's Beauty, Francis, Perf. Pink Beauty, Aurora Borealis, Negro, Miss Arthur, Wille Desmond, Mrs. Cleveland, 15c per doz.: 70c per 100; 8,000 per 1000. All nice clean stuff. Express paid.

S. T. DANLEY, Macomb, IIIs.

# AZALEA INDICA

We have an immense stock of all the best varieties; well set with buds; large plants, 12 to 15-inch. \$6.00 per doz.; \$45 per 100.

We grow over a million from the choicest seed of Bugnot, Cassier, Odier and Tri-mardeau; transplanted in cold frames; 60c per 100; \$4.00 per 1000.

# HARRISII LILIES

In bud, guaranteed right for Easter; 10c per bud.

# CINERARIAS

In bud and bloom, \$1.00 per doz.

**ROOTED CUTTINGS 100** 1000 
 Mammoth Verbenas
 \$ .70

 Double Petunia
 1.00

 Heliotrope
 .75

 Ageratum
 .50
 \$5,50 Double Golden Dwarf Margnerite, \$1.00 per 100.

PLANTS 214-inch. 
 Double Geraniums
 \$2.00 per 100

 Vinea Variegata
 2.00 per 100

# WHITTON & SONS,

Wholesale Florists,

UTICA, N. Y. City and Creen Sts., -

# GREEN AS GRASS.

# MAMMOTH VERBENAS

Fine selected stock in separate colors. Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

# FAXON'S "WHITE" PANSIES.

The best mixture in cultivation, flowers very rge, thick and velvety; of superb colors and arkings. The perfection of form and texture. large, thic markings.

In Trade Packets at \$1,00 each. M. B. FAXON,

Lock Box 1528,

1528. BOSTON, MASS. Correspondence solicited.

# SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery. CHRYSANTHEMUMS,
SMILAX,
VIOLETS,

Prices low. Send for list. WOOD BROTHERS, FISHKILL, N.Y.

# CLEMATIS Jackmanni, Henryii doz. 100 and others......\$3.00 \$20.00

H. P. ROSES Strong 2 and 3 years own roots. \$1.50 \$10.00 native red. 75 \$4.00

DOWNING, best for general crop, special prices.

prices.
PAEONIES, fine ass't of colors and kinds \$1.25 \$8.00

F. A. BALLER, Bloomington, III.

# KLONDIKE

Cold Fields at Your Door.

COLEUS—All kinds, all grades and all prices. Verschaffeltil and Queen. 75e per 100; \$8.60 per 1600; 2½-inch pots. \$15 00 per 1600; 2½-inch pots. \$15 00 per 1600; 2½-inch pots. \$15 00 per 1600; 2½-inch pots. \$12 00 per 1600; \$1.50 per 1600; \$1.50 per 1600; \$1.50 per 1600; \$1.50 per 1600. Puchslas, standard sorts. \$12 00 per 1600; \$1.50 per 1600. Puchslas, standard sorts. \$12 00 per 1600; \$1.50 per 1600. Puchslas, standard sorts. \$12 00 per 1600; \$1.50 per 1600. Puchslas, standard sorts. \$12.00 per 1600; \$1.50 per 1600; \$1.50 per 1600; \$1.50 per 1600; \$1.50 per 1600. Anthemis Coronaria. Golden Marguerite. \$1.50 per 1600. Anthemis Coronaria. Golden Marguerite. \$1.50 per 1600. Anthemis Coronaria. Golden Marguerite. \$1.50 per 1600. Anthemis Paronychioldes. Major and Aurea Nana. 30c per 160. \$20.00 per 1600; \$1.50 per 1600; \$1.50 per 1600. Geraniums. standard sorts. our selection. \$1.50 per 1600. Geraniums. standard sorts. our selection. \$1.50 per 1600. Geraniums. \$2.00 per 1600. \$1.50 
J. E. FELTHOUSEN, Schenectady, N. Y.

# **CARNATIONS** AND COLEUS

# ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.
ROOTED COLEUS in variety.
Cood stock only. Price list free.

DAN'L B. LONG, Growers' Agent, BUFFALO.

### 5,000 SMILAX...

From flats, by mail, 50c ner 100, \$4,00 per 1000 From 2-inch pots, \$1,50 per 100, \$13,00 per 100 From 3-inch pots. \$3,00 per 100 Send for samples. Cash with the order.

FREO BOERNER, Cape May City, N. J.

# WHY NOT....

Advertise and sell some rooted cuttings or other surplus stock.

THIS SIZE "AD." ONLY \$1.00. AMERICAN FLORIST CO., CHICAGO,

......

# LETTUCE AND OTHER... **VEGETABLE PLANTS**

LETTUCE—Big Boston, Boston Market, Tenn. Ball. Grand Rapids and Reichner's Forcing. 15 et per 100; \$1.00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. 15cts. per 100; \$1.00 per 1000. plants for transplanting now ready. 15 cts. per 100; \$1.00 per 100). Pepper and Egg Plants—25 cts. per 100; \$2.00 per 1000.

CAULIFLOWER, Snowball—35 ets per 100; \$2.5 per 1000; If by mall add 10 ets. per 100 for small plants, and 50 ets. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

TRADE SLOW. - STOCK INCREASING. - DIS-EASED HARRISH LILIES. - PERSONAL MEN-

Since the beginning of last week the demand has dropped from 15% to 25%, with a considerable increase in supply. Roses and carnations, although more plentiful, are moving fairly well, but bulbous flowers are beginning to accumulate in the wholesale houses, and prices will drop accordingly. Harrisii lilies are now bothering the growers on account of the disease; some growers report a loss of 50%; judging from present indications, they will not be as plentiful for Easter as

There was nothing rare or novel in the line of flowering plants at the Sixth street market Saturday. A collection of uniform high grade cinerarias was seen at Mr. Joe Linnfoot's stand, which he tells me find a ready sale. Mr. Fred. Walz had some well grown azaleas, ranging from fifteen to twenty inches across at his stand. Tulips and hyacinths in pots seem to lose their popularity; they are moving very slowly.

Mr. Gus Adrian has been confined to his room the past week with La Grippe. Mr. J. MacRorie, of the W. A. Manda, South Orange Nursery, is widely known

among Cincinnatians outside his professional calling. He is one of the jolliest fellows on the road. Mr. MacRorie's friends here are legion, and he was around town Monday renewing old acquaintances.

H. SCHWARZ.

There is trouble between Park Superintendent Warden and Gardener Carsten. A series of disagreements are said to have culminated in a personal encounter between the two. Mr. Carsten subsequently made formal charges of a sensational character to the Board of Administration. An investigating committee has been appointed and the matter has been investigated. There is said to be, as in many other cities, altogether too much in many other cities, acceptant politics in the Cincinnati park affairs.

### Plant Shipments to Michigan.

UNITED STATES EXPRESS COMPANY AND PACIFIC EXPRESS COMPANY.

ED. AM. FLORIST:-The matter of shipments of plants, etc., for Michigan points has been referred to the vice-president and general manager of the U. S. Ex-press Co. and to Mr. E. M. Morsman, president of Pacific Express Co. I have received reply from Mr. Crosby, vice-president and general manager, advising that in his next circular he will issue new instructions conforming to the interpretation of the law by the Michigan state

President Morsman, of the Pacific Express, advises me that he will modify his instructions excepting "greenhouse plants and cut flowers" in his next circular, A. Wyoxxi, General Agent.

### VMLRICAN EXPRESS COMPANY.

LD. AMERICAS FLORIST - Laurin receipt of your favor of March 8, with clipping enclosed upon the subject of the Michigan state law regarding transportation of trees, shrubs, plants and vines, and Thave instructed that in our next tanil department circular the attention of agents be called to the fact that this law does not apply to shipments of greenhouse plants or cut flowers. Thanking you for calling our attention to the matter, I am Yours truly, A ASTISDEL.



IMPORTERS

# JAPANESE PLANTS,

BULBS, ETC.

At lowest prices. Small orders filled from experimental garden Columbia Road Dorchester, Muss. Wholesale catalogue, 1838 free to the trade.

### JAPANESE NURSERY.

Office: 272 Boylston St.,

BOSTON, MASS.



Large Field. Grown Roots in all the Leading Varieties \$5.00 to \$7.00

# 30,000 DAHLIAS

Before ordering your Dahlla stock be sure and send for my catalogue of noveltles and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist, Box 382, Denver, Colo.

# PEACOCK'S PRIZE WINNING DA

Did you know that in 1896 Peacock's Dahlias were awarded sixteen (16) first prizes at Philadelphia out of seventeen entries? And at the American Institute, Madison Square Garden, New York, the seven first prizes (all that were offered) and two special diplomas tor Clifford W. Bruton and Wm. Agnew? That last vear (1897) at New York, they were awarded six of the seven first prizes and The Medal of Superiority of the American Institute, the highest award ever given Dahlias in America? That at Philadelphia—well, we won't say anything, as they were not in competition; but, read what the Philadelphia Record of Sept. 22, 1897, says:

"Prominent above all the other exhibits is that of the Dahlia Society itself. It includes an almost perfect assortment of all the Dahlias known in this country, grown by W. P. Peacock, of Atco, N. J., but it was not in competition for prizes.

New Illustrated Descriptive Wholesale Catalogue now ready; send tor it before placing order elsewhere.

W. P. PEACOCK, ATCO, N. J.

Mention American Florist.

# Two Great Sports

**CARNATION** 

VICTOR

**CHRYSANTHEMUM** PENNSYLVANIA

Undoubtedly the best Pink Carnation in commerce and certainty the most profite bloomer, perfectly healthy and of vigorous growth Rooted cuttings now ready. \$4.00 per 1001; \$55.00 per 1000. Come and see this carnation growing.

The finest vellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, \$5.00 per doz.; \$35.00 per 100; \$250 00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

"BOSS" Chrysanthemums wm. H. CHAOWICK—the grandest white novelty of the season. THE YELLOW FELLOW Winner of \$100 Stearns bicycle prize. MADELINE PRATT—"As pretty as her picture."

Grove P. Rawson, Elmira, N. Y.

# Jardinieres, Pots Pedestals



Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

### Los Angeles, Cal.

WARM WEATHER INCREASES SUPPLY OF STOCK .- WATER SUPPLY THREATENED. -PHILANTHROPIC GIFT TO THE CITY.-ESTIMATES OF THE ORANGE CROP.

The warm weather is working wonders on the outdoor stuff. Carnations, violets and bulbous stock are coming in freely; sweet peas are beginning to bloom, and will soon be abundant; violets are getting too cheap to pick, fifteen to twenty bunches of forty blooms each are sold to the dealers for \$1; ferns are getting scarce, the sales this year are much larger than usual, owing to the scarcity of cut flowers during and since the holidays.

For the past few years forest fires in the mountains have been a serious menace to the water supply for irrigating the val-leys. It is now estimated that more than 100,000 acres of mountain timber have been burned over and destroyed. To remedy this condition of affairs it is now proposed to plant this burned district with Pinus tuberculata which is a rapid grower and said to be almost fire-proof.
On March 5, G. J. Griffith, the wealthy

philanthropist, will formally donate to the city of Los Angeles the land now known as Griffith's Park. The surveys show an area of 3015.4 acres, which will make this city the owner of the largest public park in the United States.

Every one interested in floriculturecommercially—are rejoicing that we are to have a fiesta again this year. This to have a fiesta again this year. festival always creates a very heavy demand for flowers.

The wave of prosperity has struck Mr. A. T. Garey, superintendent of parks of this city. The finance committee of councils has recommended that his salary be increased 25%. Mr. Garey has achieved remarkable success since his acceptance of the position, and deserves a greater advancé.

After deducting an estimated loss of 2000 carloads of oranges, damaged by frost, southern California will still ship east 12,000 carloads, which at present prices will tickle the growers with about \$6,000,000 in coin of the realm. This return is principally for the celebrated navel orange, the first grove of which was planted in Riverside, Cal., twenty-one years ago; this grove now produces an average of twelve boxes per tree, 108 trees to the acre.

D. R. W.

ASHTABULA, O.-The extensive greenhouses devoted to growing smilax near this city, and until recently owned by James Fassett, have been bought by a local syndicate.

# Gladiolus Bulbs FOR FLORISTS.

WE HAVE THEM! WE HAVE THEM!

> Columbian Medal. S. A. F. Certificate of Merit. First prizes wherever shown. Cushman's Celebrated Seedlings. A light mixture. No. 1, \$1.25 per 100; \$10.00 per 1000. No. 2, \$1.00 per 100, \$8 00 per 1000. Our No. 2 are fine bulbs, 1½-in. and over.

CUSHMAN GLADIOLUS CO., Euclid, O.

# SPRING

# LILIUM AURATUM.

Per 100 Per 1000 7-9 inch.....\$3.75 9-11 inch.... 5.00

# L. RUBRUM

(Speciosum) 7-9 inch..... 4.75 9-11 inch..... 6.75

40.00 60.00

LILIUM ALBUM (Speciosum) Per 100 Per 1000 55.00 65.00

# BEGONIAS TUBEROUS ROOTED ...

Single, separate colors...... 3.50 Double, ......... 9.00 30.00

# TUBEROSES....

True Excelsior Pearl.
"Hallock strain" First size..... 1.00 7.50

**GLOXINIAS** ......Per doz., 85e; per 100, \$5,00

CALADIUMS.... Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00.

### CALADIUM ESCULENTUM

Cured and sound bulbs with live center shoots.

Doz. 100 shoots. | Doz. | 100 5 to 7 inches in circumference | \$ .40 | \$2.50 7 to 9 | 65 | 4.50 7 to 9 " " 65 4 50 9 to 12 " " 1 00 6.50 50c per 100 less on 7-9 inch and 9-12 inch sizes if shipped from New York.

# **GLADIOLUS XXX Florists Mixture**

....\$15.00

# **VAUGHAN'S SEED STORE**

NEW YORK 14 Barclay St.

CHICACO 84-86 Randolph St.

# NAS NEW AMERICAN Finest in the World Our Novellies for 1898

DUKE OF MARLBORO, darkest crimson. \$30.00
DUCHESS OF MARLBORO, only pure pink. 30.00
TOPAZ. only absolutely large pure yellow. 50.00
LORRAINE, pink, edged white, fine. 30.90
MAIDENS BLUSH, delicate flesh color. 15.00
GOLDEN PEARL, yellow, nearly double. 30.00
CUBA, finest and largest gilt edged. 40.00
GUBCAS, very dwarf, March delivery. 12.50
PHILADELPHIA, glowing crimson. 15.00
CHAMPION, largest, glowing searlet. \$5.00 each
KLONDIKE, only large pure orange. \$2.50
Send for complete list of 50 novelties and 200
standard varieties at lowest prices.

### OUR CANNAS IN FRANCE.

OUR CANNAS ...

To Messrs. A. Blanc & Co.
Your new cannas of last year gave me much
satisfaction. Please send me a complete set of
your novelties for ISN as soon as ready. Also 12
Glant Crimson, etc. Signed CH. MOLIN,
Lyon, France. Jan. 3, ISS.

# ASPARAGUS SPRENGERI

Fine plants in 6-loch pots, ready for 8-inch \$5 per 12.

### AMARYLLIS.....

Veltch's Hybrids. \$4 per 12; Equestra, \$4 per 100; Formosissima, \$3 per 100.

Spotted Leaf, \$3; Black, \$5; Yellow, \$30; all per 100. Golden, \$2 each.

### DAHLIAS

11 prizes out of 22 at the last Dahlia exhibition. First prize Dahlia, GILT EDGE, \$15 per 100 Send for special list.

# A. BLANC & CO., Philadelphia, Pa.

Mention Am. Florist when writing



# Cablegram

# okohama

"Kaishimeta Teppoyuri."

WE received the above Cablegram from our Yokohama house stating that again we control the largest part of Lilium longiflorum for next season. Prices will be quoted upon arrival of next Japan mail.

# SUZUKI & IIDA,

No. 15 Broadway, NEW YORK.

No. 3 Nakamura, YOKOHAMA, JAPAN.

Say "saw your ad. in the Florist" when you write advertisers.

# 100,000 CANNAS

THE STORRS & HARRISON CO., Painesville, Ohio.

### Palm Notes.

Throughout the dark months, namely November, December and January, our ordinary trade species of palms require little or no shading, with the possible exception of Cocos Weddeliana and Livistona rotundifolia, these two keeping in better color with some shade during the whole year. But with latanias, kentias, areeas and phoenix we find it a good practice to allow the shading to thin off to some extent by the latter part of September, and this, with the admission of plenty of fresh air, produces foliage of the firm texture that gives satisfaction to the purchaser.

As the sun becomes quite strong by the middle of February, the necessity arises for some protection, and the first application of shading is made on the west side of the houses, leaving the east side bare for two or three weeks longer, the complete shading of the houses depending on the condition of the weather and forwardness of the season. Like many other operations in our business, it is impossible to lay down hard and fast rules for shading, and much depends on the watchfulness of the grower, for when the shading is omitted at the right time there will surely be found some unsightly streaks burned across the best leaves in the house, owing to the fact that there is seldom a house constructed that does not include some defective glass in its roof.

As to the material for shading there is no room for choice, but in all probability the cheapest material for this purpose is ordinary whitewash, and during the hot weather this seems to keep the houses cooler than any other preparation that I have used. The great disadvantage in the use of lime for shading, however, is The great disadvantage in found in its action on the paint and putty, the latter being speedily eaten away by the lime. White lead and naphtha and white lead and kerosene have also been largely used, and are still in high favor with many growers, and a cold water paint known as "Indurine" gives good results, though the first cost is high.

The matter of repotting also demands attention at this time, for palms in general start into active growth quite early in the year. Well-rooted young stock should be potted first, for in many cases there is a less marked period of rest in young plants than is noted in more mature specimens, and providing an even growing temperature and proper condition of moisture be maintained there is little risk in repotting young stock at almost any season of the year. Large specimens may profitably be left alone in regard to potting until after March I, and they will then take hold of the new compost at once, and should go ahead rapidly up to November 1 under reasonable treatment. Just before reporting is a good time for a thorough cleaning of the large specimens referred to, for it is an unfortunate fact that most of us find insects on our palms at some period of our experience, notwithstanding the application of the vari-ous specifics that have been heralded with much enthusiasm and great quantities of printer's ink. While this cleaning operation is going on it is a good plan to give a coat of whitewash to walls, benches partitions, and in fact to all portions of the house to which such an application is adapted. The latter portion of winter and early spring is a favor able time for an outbreak of red spider in the palm house, owing to the fact that strong are heat at night and bright sunshine in the day are hable to dry the amosphere to a degree tayorable for this

insect, and as a measure of prevention forcible syringing should be the order for every bright day, directing the stream of water on both upper and lower surfaces of the leaves, the red spider being somewhat impartial as to the location of its attacks. Yellow thrips also appear in the palm house at times, often injuring the young foliage before the presence of the insect has been noted, and for this trouble there is nothing better than tobacco applied either by fumigation or vaporizing.

Returning to the subject of potting, it may be taken as a safe rule to pot all palms firmly, there being no fear of retarding the root growth by thus firming the soil, and in the case of those plants that are intended to be taken out for decorating it is especially necessary that they be well potted, else they soon shake loose in the pots and the roots suffer from exposure to the air. Root pruning is sometimes practiced with this class of plants when the pots have reached an inconvenient size and the old compost is exhausted, and providing proper care is

given the plants after the operation there is but little risk to strong growing species, but it is safest not to use this method too early in the season, and to give a little extra shade and keep the house somewhat close for a few weeks afterward.

Of course it will be understood that in an establishment where the amount of glass does not allow a whole house to be devoted to palms there must necessarily be modifications in the methods of culture. and it may be needful to postpone some of this work until later in the season, after the rush of Easter business and spring trade is past, when both space and time should be found for the annual

elean-up.

For the benefit of the less experienced (though we all be learners), a word of warning may be added in regard to highpressure cultivation, that is by means of the hot-hed system and quantities of liquid manure, and this warning may be summed up in one word-Don't. What is gained in time is usually lost in quality by hard foreing, and it is quality that counts in the long run. W. H. TAPLIX.

# NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 216-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

# H. WEBER & SONS, Oakland, Md.

# ROSES

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 $\begin{array}{ccccccc} {\rm Pots} & 100 & {\rm Pots} & 100 \\ 2^{1}{}_{2} & \$2.50 & 3 & \$3.50 \end{array}$ 

Guaranteed first-class. Stock grown in low temperature,

THE E. HIPPARD CO., Youngstown, Ohio.

# Potted Roses and... Cuttings of All Kinds

Same of Carnations.

Send 50c for samples and prices. Fine Smilax in 2-inch pots. Geraniums in 2 and 3-inch pots.

GEO. A. KUHL, Pekin, III.

New American Rose\_

# MRS. ROBERT GARRETT

As one of the syndicate bolding stock in this rose we offer first class plants, from 2½-inch pots, to be delivered on and after March 15, 188, at the agreed price of 83.50 per doz., \$25.00 per 100.

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Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers.

Send for prices.

The National Plant Company, Dayton, Ohio.

### ROSES **CUTTINGS** ...ROOTED

| No scrub wood used. All stock thoro         | ughly root | ted and   |          |          | From 24g               | Inch Pots |
|---------------------------------------------|------------|-----------|----------|----------|------------------------|-----------|
| carefully packed when sent out. Ser         | id for san | aptes     | Per 100  | Per 1000 | Per 100                | l'er 1000 |
| AMERICAN BEAUTIES,                          | Rooted .   | Cuttings, |          | \$22.00  |                        | \$35,00   |
| BRIDES                                      |            |           | 1,50     | 12.50    |                        | 20.00     |
| BRIDESMAID                                  |            | **        | 1.50     | F2.50    | 2.25                   | 20.00     |
| METEOR                                      |            |           | 1,50     | 12.50    |                        | 20,00     |
| KAISERIN                                    |            |           | 1,50     | 12.50    | 2.25                   | 20,00     |
| PERLE                                       | 4.1        | 4.4       | 1.50     | 12.50    | 2.25                   | 20,00     |
| - NOTE 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |            | co-4 11   | Land Car |          | the man of the account |           |

J. A. BUDLONG, - STATION X. CHICAGO, ILL.

# New Rose Clara Watson

Clear flesh pink shaded with salmon at the base, one of the finest roses of recent introduction. Extra strong plants \$8,00 per t00.

PRESIDENT CARNOT. Those who have not tried it should do so.

All the standard forcing kinds in A1 stock at prices as low as it is possible to produce really good stock for, Bridesmaid, Bon Silene, Catherine Mermet, Madame Hoste, Mrs. Pierpont Morgan, Perle, Sunset, The Bride, American Beauty, Madame Caroline Testout, Meteor and Souv. de Wootton. Also Hybrids for forcing and summer bedding.

JOHN N. MAY, Summit, New Jersey.

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### Rochester, N. Y.

TRADE QUIET .- FLOWERS PLENTIFUL .-PRICES UNSTEADY. - EASTER PREPARA-TIONS. - A NEW STORE. - BUSY BULB AGENTS.

Business is inclined to be quiet and slower than it has been; flowers of all kinds are decidedly more plentiful now, and prices are not so steady as formerly. Our storemen are only moderately busy, principally with the usual funeral work. For the first time this winter an oversupply of roses arrived in town; not all of this could be used up, though no high grades were left over at any time; tulips, narcissus and hyacinths are almost getting to be a glut in the market, but for the last few days less of them are coming in; carnations are usually cleaned up every day, and few violets remain unsold in the commission man's hands.

Easter stock is coming on in good shape; azaleas, with few exceptions, have kept splendidly in spite of the unusual mild winter; genistas are not too forward yet; rhododendrons and kalmias seem to be just in time, and the metrosideros, in the few places where they are grown have stretched out their buds wonderfully within the last two weeks; hybrid roses are growing fast; cinerarias, daisies and spiræas will be plentful; some excellent late cyclamen will surely be in the market, and we have just found out that quite a number of good sized Agathæa cœlestis have been retarded in one place so as to bring out their first flowers shortly before Easter week. The only anxiety seems to be about blooming the lilies; some of these are too forward, apparently ready to burst open in a few days; others do not come on fast enough, and require all the extra heat that can be furnished; hydrangeas too are a little behind in several places, but with the bright and moderate weather four weeks will help considerably to defour weeks will help considerably to develope and color up the flower heads. Lilacs and other shrubs are so easily managed that nobody has any trouble in getting them just right; stock of these is more abundant this year than ever before, and we shall be surprised if all of it can be disposed of. All our growers have prepared for a largely increased demand in Easter plants. mand in Easter plants.

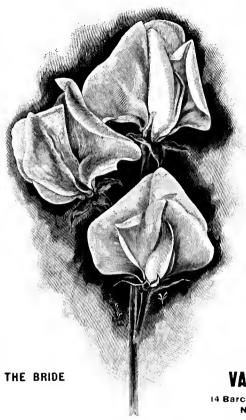
A bench of trailing arbutus (Epigæa repens) in one of W. King's houses is attracting universal attention; the plants are now in bloom and give promise of continuing for some time to come.

Another florist's store is to be opened here in a few days; John Dobbertin is after his share of down town traffic.

Mrs. F. Schlegel is not yet able to be out, but is regaining her usual strength. Bulb agents, too numerous to mention separately, arrive in town every day. J. B. K.

The Nurserymen's Convention.

It is expected that between 300 and 400 members of the American Nurserymen's Association will attend the convention to be held in Omaha, June 7, 8 and 9. Arrangements have been perfected by s. Artangements have been perfected by correspondence between the national secretary, George C. Seager of Rochester, and Prof. Taylor, superintendent of the bereau of agriculture, etc. President Wattles will deliver the address of welcome, and an address will also be delivered by Prof. Taylor.





Originated by M. Lynch, Menlo Park, Calif.

THE BRIDE This beautiful large, white-seeded variety is the best White Sweet Pea to date. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white-seeded varieties—so often poor growers. Grown for the cut-flower market of San Francisco in competition with the other high class whites, it has brought the highest figures over them all, taking first rank among all the whites. The flowers are pure white of fine substance, large and of true grandidora type. Beside this every seed will grow. Perfect flowers were cut as early as April 16 last year. Price, per lb., \$2.00; 1-4 lb., 60c; 02., 20c; pkl., 10c.

The Cornell Bullettin in naming the host Sweet.

The Cornell Bulletin in naming the hest Sweet Peas of each color, classes The Bride first as a white, with Emily Henderson second and Blanche Burpee third.

Blanche Burpee third.

Frank Pelleano, a leading florist of San Francisco, atated: "We can sell more Bride Sweet Pea blooms than those of any other variety which we have ever handled."

Prof. Tracy. In a recent review of some of the newer Sweet Peas says: "The especial ment of this variety (The Bride) is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, being one of our hest sorts in these respects, and forming an exceedingly graceful hunch."

Mr. Lynch has sort up ble out he steel which

Mr. Lynch has sent us his entire stock which we offer to the trade as above.

**VAUGHAN'S SEED STORE.** 

14 Barclay St.,

84 & 86 Randolph St.,

# THE AMERICAN FLORIST COMPANY'S

# NEW DIRECTORY

(SIXTH EDITION—1898)

Of Florists, Seedsmen and Nurserymen to which are added lists of Parks, Park Superintendents and Cemeteries. A complete list of all persons in the above trades in the United States and Canada, by towns; also a complete list of the same names, alphabetically arranged. 🗻 🎿 🚜

PRICE, TWO DOLLARS.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO.

### Syracuse, N. Y.

Nobody ever regrets going out to Quinlan & Co's houses on Genesee street, even if the time for a visit be short. "Bobby Bard," who has the whole say about the flower growing houses, always shows something interesting and fine. beliefs and methods might, in some respects, be considered next to eccentric, as where else to-day can be seen entire houses devoted to Hoste and Gontier roses? "Laugh at it you may." Bobby says, "we continue to grow them because there is money in it for us, while Niphetos 1 never succeed with, easy as it grows for many."

Emily Pierson made a highly satisfactory record in red carnations this winter as regards quality of blooms and prolific growth; also Nivea in white. A house of some thousands of L. Harrisii seems timed just right for Easter with

little disease showing.

L. E. Marquisce has his new store on South Salina street in active business order. At his greenhouses, his special pride, and merited evidently, there is a seedling carnation, a veritable Albertini in form and stem but deeper colored and highly prolific. Some other seedlings also look promising, but not really so flattering as this.

Mr. Wheadon, the polite manager at Quinlan's store, stated that a good business had been done all winter.

Henry Burt does not complain of busi-

Henry Morris is now happily located in a prominent Genesee street store, not large in size but still reaching through to Railroad street, and thus fronting on two busy thoroughfares, a location promising for a lucrative business.

TRAVERSE CITY, MICH.-Charles Gunton will go into the florist business in a short time, he having leased the property for-merly known as the West Side Greenhouses



**GREEN-HOUSE** HEATING. MYERS & CO.

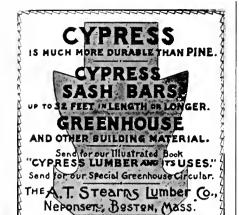
1518 & 1520 S. 9th St. PHILADELPHIA. Bend for catalogue and price list.

# NEW & SECOND-HAND MATERIAL,

orchased from Storilt Besilver, and Assumes, less at less than one half prices. Plus and Flittings one Florists Wire Hot Water Heaters, Greenhouse digra and Engines. Bose Light Wrought from Plus, asseman and thousands of other articles, for section.

CHICAGO HOUSE WRECKING CO. Largest Mail Order Depot for New and Second Hand Material in the World W. 35TH & IRON STS., CHICACO. Write for our free Illustrated entalogues





# OT BED SASH

of Red Cedar, Cypress and Pine. A. DIETSCH & CO.

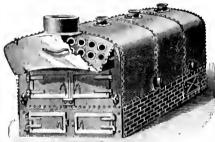
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Boliers made of the best of uniterial shell, firebox sheets and heads of steel, water spines all around (front, sides and back). Write for information.

Boilers

For GREENHOUSES.

See our Catalogue. . . . .

IF Steam and

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### SYRINGE WITH COLD WATER.

itality of your stock, but write for particulars of my tempering Apparatus.

HENRY W. GIBBONS, 134 LIBERTY STREET.

Established 1859....

# THOS. W. WEATHERED'S SON

# HORTICULTURAL ARCHITECT AND BUILDER.

Greenhouse Wood-work. Greenhouse Iron-work.



Red Gulf Cypress free from Sap.

Get my prices on everything needful for the erection or repairing of Greenhouses.

Should write me your wants for everything entering into the building, heating or ventilating of greenhouses as well as Unions for pipes and Universal Joints torventilating apparatus. ENTILATION—I would call attention to my Patent Arm. It is so constructed that it cannot slip when once tightened up by the bolts, and, instead of the old-rashioned solid eye, which depends on a single set screw and is



continually slipping, we use an open eye fastened by two bolts. There are three grips in the eye, running parallel with the shaft, which, when screwed down by the bolts, binds on the shaft like a pair of pipe tongs and cannot possibly slip, tor the more strain put upon it the tighter it will bind. By using the open eye a broken arm can be very easily replaced, whereas with the solid eye the shaft must be taken down to slip the new arm in place. Valves also trom the smallest for water pipe to the largest four inch for heating purposes.

EATHERED can and will cheerfully help you out of any difficulties you may have in the construction or heating of your houses. WOOD-1 use is of red gulf cypress tree from sap. If you are in want of pipe for water or any other purpose get my figures.

■ CEL—I try to in everything, especially in heating, building and ventilating apparatus, but don't lorgel I can supply you everything except masonry material.

S of wrought iron or heavy cast iron for every purpose. Write me your wants and they will receive careful and prompt attention.

-I don't keep in stock but if you want it very hadly I will try and get it for you.

# THOS. W. WEATHERED'S SON.

141 Center St, New York.

Credit Conditions Printed on Invoices Do Not Bind.

Two very startling legal decisions have recently been rendered. In one the St. Louis court of appeals is reported as holding that when it is the custom of the trade that a sale made by a traveling salesman of his principal's goods may be rejected by the house on account of the unsatisfactory commercial standing of the purchaser, such a right is in the nature of an option, which must be exercised within a reasonable time after the order for the goods is received, and if not so exercised the contract of sale becomes absolute. Such option to reject the order or sale on account of the unsatisfactory commercial standing of the pur-chaser does not carry with it the right to repudiate the sale for any other reason or for no reason at all, as, for example, for the reason that the goods were sold below their value and the goods were sold below their value and the time of payment ex-tended beyond the limit of private in-structions. The principles here announced will readily be seen to be of the utmost importance to the commercial world in their immediate application, but their effect does not stop there.

Something of the same doctrine seems to be recognized by the supreme court of Montana in a recent case. It seems that on May 27 a salesman in the employ of a dry goods company named called upon a Helena firm. His duties were, as he testified, to sell his house's product to the retail trade by soliciting and sending to the house orders for their approval and filling. On that date he took four orders from that one firm. The goods were to be shipped in August and September, with "dating" of November 1, or perhaps, on part, of October 1, and terms of 60 and 90 days. The orders were filled.

Preceding the shipment of the goods, however, the wholesale house sent the Helena firm bills or invoices of the merchandise. Upon these billheads or inchandise. Upon these bilineads or invoices there was, among other printed matter, the following: "All bills become due when parties suspend payment, assign, or sell out. All goods dated ahead are merely consigned and subject to replevin until said dating has expired. Retention of goods will be considered acceptance of all the terms hereon." Shortly after the receipt of the goods and invoices mentioned the firm made an assignment for the benefit of its creditors, and, naturally, the wholesale house sought to enforce the conditions printed on its invoices. One of the firm to which the goods were shipped denied that he had ever noticed this printed matter on the invoices prior to the assignment. His partner, however, conceded that he was aware of it.

No question was raised as to the authority of the salesman to bind his house, and, from his own testimony, the court says it cannot in any manner be inferred that the goods ordered through him by the above firm were to be received on consignment. Nor does it think that it can be inferred from the evidence that there was any modification of the original contract entered into. It says that if, when the house received the orders from its traveling salesman, it had seen fit to make the ordering firm agree to the terms as printed on the invoices, it should have done so before shipping the goods. But, having shipped them under one contract, it had no right, on its own motion, to modify the terms thereof.

J. L. Rosenberger.

# Kraft's Plant Tonic

For PLANTS, PALMS and FLOWERS

... A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale...

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition,

aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soit and pliable, and a beautiful bright green.

Price per bottle, 25 cents.

84 & B6 RANDOLPH STREET, CHICAGO.

VAUGHAN'S SEED STORE.

14 BARCLAY STREET, NEW YORK.

# Jadoo Fibre and Jadoo Liquid

are to-day being sold by the leading SEED HOUSES and are used by prominent GROWERS and FLORISTS.

You Cannot Afford to Grow

Plants Without Them

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Send for particulars and be convinced

The American Jadoo Co.

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...PHILADELPHIA, PA.

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Chicago. New York.

### A COMPLETE AND IATIVE GUANO NATURAL FETILIZLR

(Desiccated Night Soil)

Gardeners and Florists. SOLUBLE, QUICK TO ACT, PLEASANT TO HANDLE.

STANDARD FERTILIZER CO. Inc.

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KABCURA DIP CO. CHICAG AND SAVE BLOOMS QUICKLY DOES IT. Mention American Florist.

### EXTRACT. TOBACCO HAMMOND'S

THE OLD ORIGINAL.

GEO S. OSBORN.

OLD TOWN FARM GREENHOUSES.
COR SARGEANT & ATTWOOD STS..

Hammond's Paint & Sing Shot Works. Fishkill-on-Hudson. N. Y.—
Gent.—I send check for amount of encloved bill, and think I shall need more of the Tobacco Extract for further trial TW SO PAR AS CAN BE JUDGED IT IS THE BEST EXTRACT I EVER HAD. Let It come by freight at once, as we have two houses longing for a dose.

Vours truly, GEO S. OSBORN.

SOLD BY WHOLESALE SEEDSMEN.



# THE AMERICAN FLORIST'S COLOR CHART

ls now accepted as the standard in preparing color descriptions by many foreign houses as well as in America.

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Brooklyn. N. Y.
VAUGHAN'S SEED STORE, Gen'l Western Agents, 84 Randolph St., CHICACO.



### Sports.

There has been no novelty which originated as a sport that has caused so much unfavorable comment as the carnation Harrison's White, which was sent out last year. Being claimed as a sport from that popular variety, William Scott, was one of its greatest recommendations; though those who bought it the most heavily saw it in its own home growing, and many of them more than once. Secretary Herr, under the head of "Last Season's Introductions," states: "There is a possibility that a variety that can sport color can also produce a bud variation that would change the entire habit of the plant." Darwin designated sports as "bud variations," which is more specific and carries with it a more clear idea as to what is meant.

We have abundant evidence that most plants, if not all, have the power of varying in growth, when the color of the flower is not changed. Among roses we have Climbing Perle des Jardins, C. Meteor, C. Bride, C. Kaiserin Augusta Victoria, Souvenir de Wootton and some others which have originated in this country, besides many of the Bourbons and hybrid remontants that have originated in Europe; and so far as I know the color of the flowers in each individual case has re mained the same, the variation in growth being the only difference. Sunset was a sport from Perle, and the growth was by some growers considered to be somewhat weaker than was that of its parent. It would be difficult, it seems to me, to explain the cause of sports. Carnation Victor is considered to have a stronger constitution than Daybreak, its parent. Helen Keller earnation sported with me two distinct shades of yellow with the red stripes peculiar to that variety, but both of them were so affected with bacteriosis that they succumbed. Some experts who claim that Harrison's White is none other than Puritan assert that there are two distinct forms of that variety which have been "fixed" by selection. E. L.

# Standard Made by

Good Rathroad Facilities KELLER BROS. For shipping. Special Attention Given to

NORRISTOWN, PA.

Price Lists Furnished on Application.

# STANDARD FLOWER....

We Manufacture a full line of Standard Flower Pots, Hanging Vases, Lawn Vases, Seed Pans and Cylinders, glazed and with bandles.

SEND for our price list before ordering else-where and save 25 per cent. Andress

Hilfinger Bros. Pottery, Ft. Edward, N. Y.

# (ake Your Own

The Cow Manure Pot

Pots
The tow Manure Pot is the best for young plants. For hedding and sending of plants is the best thing ever invented. The matter force the plant and makes if each of thing the monter sending them but in few particular the monter sending them but in few particular the monter sending them but in few particular to the 1 toom of the pot and set if in few particular to the pot and set if in the set if in each set is the growth of the plant the 1-20 cm. In the pots stand perfectly wait ring it reints as an included livers gardener should see in a little enach in the for patting furction in the 12 to be in Simple of sobsentiff wanted single Machine 2 Inch Pots.

M. 6.

wingle Machine 2 Inch Pote 84 41 Lemble 2 and clinch Pote 5.00



# SYRACUSE POTTERY CO. Flower Pots,

Bulb Pans, Hanging Baskets and Saucers

OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned, Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage. A FULL LINE OF BULB PANS.

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# rlower

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OLD RELIABLE MAKE OF Elverson, Sherwood & Barker.

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PITTSBURG CLAY MFG. CO.,

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FERN PANS and

AZALEA POTS...

# FLOWER POTS

# A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, MINNEAPOLIS, MINN.

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The Finest Thing on Earth for Shipping Plants. 🚜 🥦

Very Strong, Light, Neat and Attractive

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HARALD ELIZHOLIZ, Central Valley, N.Y. J. B. WOODIN, - OWOSSO, Mich.



# GEO. KELLER & SON. MANUFACTURERS OF

Flower Pots.

Before buying write for prices. 361-363 Herndon Street, noar Wrightwood Ave.,

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"STANDARDS"

FULL SIZE AND WIDE BOTTOMS BULB PANS AND AZALEA POTS

DETROIT FLOWER POT M'F'Y, DETROIT, MICH., 490 HOWARD ST. HARRY BALSLEY,

Standard 🧀 🏎 FLOWER

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

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WASHINGTON, D.

# Butted Glass vs. Lapped Glass.

Answering J. W. D., Dixon, Ill., authorities differ in regard to this question. Each system has many strong advocates and many opponents. The butted glass system is certainly much the cheaper in first cost, and very much more easily repaired. It is, we believe, not well adapted to very flat roofs, but the main objection urged against it is that the objection inged against it is that the glass becomes quickly blackened on the inside, which is not only unsightly, but obstructs the light, unless frequently cleaned. This trouble is not so serious when anthracite coal or the best grades of soft coal are used, but with the low grade Illinois coal might be very annoving. Square glass (in your case 16x16) is generally recommended for butting, so that it may by changing sides be more carefully matched.

A carefully laid butted glass roof, with glass well bedded in good putty, is the glass well bedded in good party, is the standard for comparison, and the advocates of lapped glass will hardly claim more than that the butted glass, when well laid, is equally good.

This whole matter has been very fully discussed in many former issues of the AMERICAN FLORIST.

SALT LAKE CITY, UTAH .- A new organization has been formed in this city and will be called the Utah Florists' and Gardeners' Association. The growers alone have been organized up to the present time, but the new association proposes to be much broader in its workings. A meeting was held at the offices of the Huddart Floral Company March 3, and the following officers elected for the ensuing year: President, John Reading: vice president, John Starley; recording secretary, Hugh Connor; treasurer, Ed. J. Petty; corre-sponding secretary, Peter Huddart.

OUR NATIONAL FLOWER.—A correspondent who has been caught, and badly used up, in the cogs of a certain political machine says that the skunk cabbage flower is the only one truly emblematic of our institutions.



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Vol. XIII.

### CHICAGO AND NEW YORK, MARCH 19, 1898.

No. 511.

# THE AMERICAN FLORIST

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### THE AMERICAN CARNATION SOCIETY.

Annual Couvention at Philadelphia. February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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BOONVILLE, IND.—Mrs. J. Hudspeth's greenhouses at this place caught fire February 22, and the steam and smoke ruined most of her plants.

### Ornamental Bedding.

PART I.

Although carpet and ornamental bedding is not used as much as formerly, it still has its claim on recognition and its place in ornamental horticulture, and when the design istastcful, the colors well chosen, the planting nicely executed, and the bed well taken care of, these bright bits of color on nature's green carpet seldom fail to win admiration.

The soil in these beds should be rather light and mellow; if too heavy, sand or

ashes should be used to mix with it; if too light and sandy, then some soil of a heavier nature. Well rotted manure heavier nature. Well rotted manure should be applied generously in spring, as the great number of plants in proportion to the space require lots of nourishment to insure good results. If the beds are planted with bulbs or pansies for early spring, they should receive an extra manuring before they are planted. In digging the bed and preparing for plant-ing, pulverize the soil finely, and if this cannot be done to satisfaction or if the design is complicated, surface it with one half inch of sifted soil in which to draw; mark all the lines as you proceed with white sand, sawdust, corn meal or similar material to make the lines stand clear and distinct, this is especially advisable, if the planting takes several days, or if it is interrupted by showers, as it is too much trouble to cover the beds except the smaller ones. It is necessary to have a low bench of sufficient length to place across the bed when designing, planting, trimming, or a plank put on a couple of blocks of wood will do. Occasionally when designing or planting one can step in with one or both feet, but this place must then be worked well with the trowel before planting, and it cannot be

getting it right is not wasted.

The trimming is of equalimportance for further success and should be carefully and accurately done. It is, however, not so difficult a matter when we only bear in mind that each kind shall occupy its own allotted space, no more and no less. The main thing then is to keep the lines true and to watch that the stronger growing varieties do not press the smaller ones. For this reason it is advisable that one man does or superintends this important work and especially one who has helped to lay out and plant the design, as he then has a better judgment of the details. It is also well to have a sketch of the design at hand for comparison.

done when the soil is damp. The designing and planting, details of which will be

given later, must be done as true and

careful as possible; it is the making or the spoiling of the bed, and the time spent in First he trims all the lines, clipping sideways with the sheep shears, so that he cuts all the shoots that grow across the line from both sides; all points, small curves and similar details should receive special attention. After this is done, he uses the shears flat on top, trimming nice and even, either level or sloping as the case requires; for instance, if a combination of alternanthera and colcus, then the alternanthera should slope up to the colcus, while these should be trimmed hard at the junction to avoid breaks in the surface. Occasionally certain parts of the beds are raised over the surroundings, and they should then be trimmed accordingly. It is not necessary to pick up the triumings, they wilt and fall to the bottom. This trimming is for alternanthera, pilea, santolina and such small plants. Colcus, achyranthes, acalypha, etc., had better be pinched; it makes a better looking job.

Towards fall when the nights are colder less trimming is needed, as the growth then is slower. Just at this time of the year, when the colors are most brilliant, the beds are often spoiled by an early frost. This can be avoided with a few precautions, covering the beds at night with old carpets, sheets or similar material. The writer knows of a place near littsburg where the lady of the honse every year has a couple of pretty design beds and keeps them till quite late in fall in the manner indicated, in fact so long that their brilliancy almost looks out of place in comparison with the surrounding sombre aspect of nature.

While trimming the bed, the edges of the grass also need attention; as a rule trimming with the shears is sufficient, but once in a while a sharp spade may be used. This trimming often brings the edge a little out of line one way or the other. For this reason the beds should be gone over each spring and corrected; to do this job as easy as possible, I have found it practical to mark all the main points such as centers of circles, foci of ellipses (ovals) corners of squares and diamonds and centers or guide points in the lawn used in outlining the beds with pieces of one-quarter inch gas pipe twelve or eighteen inches long, hammering them in even with the surface-if I cannot mark the center of a circle on account of setting an agave or such plant there, I mark the ends of a diameter. When the digging is done a little carefully these pieces of gas pipe do not interfere with any work, and when small pegs are stuck in the pipes the trimming of edges can be done quickly and precisely, and they also come handy for laying out the design, as they mark the principal points.

After these preliminary remarks when we turn our attention to the designing and laving out of carpet beds, I will say that it is a misconception commonly met that the design should contain lots of scrolls and small details; such a bed is hard to lay out and plant, and as a rule does not give satisfaction for the amount of work spent on it. A neat design, where each color has enough space to assert itself and to show the others to good advantage, no two shades of the same color together, and with the design in proportion to the size of the bed, is much more pleasant to look at.

The implements necessary for laying out the design are tapeline, twine, some wooden pegs about the size and length of a lead pencil, and a few stouter ones for the more important points. Besides these we have, of course, the working sketch on which all the measures necessary for construction are marked; then select a handy man for your helper, and you are ready for the task.

In the next issue I will explain how to proceed and give a few easy examples.

11. Hansen.

### Begonia Coronata.

This is a tall, strong, robust growing variety, the stems growing five feet two inches high within fourteen months, from cuttings.

The stems branch very little, unless pinched back. It sends up numerous flowers on erect peduncles, the clusters being nearly evenly cymose, of about fifty male flowers on a truss and nearly as many females. The trusses when cut last a long time in perfection. It requires plenty of room to grow it well. It is said to have been raised by V. Lemoine, France, and is described in his catalogue No. 124 of 1893, as a novelty, and is a cross between B. carolineafolia and B. polyantha. The stems are stout, upright, fleshy, nodose, green when young, russety brown when old, bearing viviparous bads when young, and covered with a russety brown tomentum. Petioles seven inches long, green, red at the apex and covered with tomentum. Leaves ten inches wide by fourteen and one-half inches long, dark by fourteen and one-half mehes long, dark green, intermingled with a yellowish green, glossy, slightly hairy on the midribs. Under surface light green and hairy on the midribs and veins. Pedancles eight unches long, reddish. Flowers one and one-eighth inches across. Males dipetalons. Females with two, three, four and twe divisions. Colora heautiful rose. John Courson.

# A New Mushroom Spawn.

It is a well-known fact that selection is the most powerful agency in the improvement of cultivated plants. The slightest variation is contemplated by every horticulturist with the greatest interest, in the hope that a new variety may spring up, which would prove better in one partien lar or another than the types already shown. It is through the agency of selfterulization or of artificial crossing that thoost all the improved plants (sport are to secopted) have been obtained.

But as regard constrtuents these things are tregerher different, no flowers, no even and respondibility of hybridization The plantits of teams is to the thin and subterritions investming upon which now and then appear actes round bodies, these in the stronge or "buttons" which will by old by de el-q into what we com-monly cal acousticour. The mushrooms



BEGONIA CORONATA.

belong only to the upper classes of fungi, ascomycetes and hasidiomycetes, the common mushroom or Psalliota (Agaricus) campestris belonging to the last named class. Now, the mushroom bears spores, which have the appearance of very small seeds, although they are only asexnal buds, and after all only parts of the mother plant; the spores can germinate and give another mycelium bearing some other stroma with spores, and so on. However, if we consider the Psalliota campestris, we will find among it many varieties, some being much more valuable, heavier and better flavored than the others. These variations should not be called otherwise than asexual or sport variations, if we compare them with what occurs even in much more pertect plants, such as celery or chrysanthe mum. But they have the greatest importance for the mushroom grower, who should always aim to get spawn of a perfeet spriety, a spawif which, up to the present day was not easily found in the

There are various ways of preparing

the spawn for the trade, but all of them start from the same principle, viz., to let maiden spawn, accidentally found on old stable manure, spread itself through a heap of a convenient substratum, stable manure or horse-droppings and cow-dung, and to divide it into bricks. The maiden spawn, it is true, originated from a spore, but a long time always clapses between the germination of the spore and the moment the bricks are ready for use. The small original plant has been allowed to develop into a very great one and then been divided, losing every day part of its energy, and at the same time becoming more easily attacked by various diseases which can completely ruin the crop. Every one who has tried to grow mushrooms knows, how many deceptions and failures occur in that operation.

As we have seen, the maiden spawn is the result of a spore germinating fortu-itously on stable manure. For a long time the attention of hotanists was attached to the fact that it was impossible to grow artificial maiden spawn; the spores could germinate in the laboratory, but the young mycelium, even if placed on stable manure, died soon after. It is only quite recently that a French mycologist, Dr. Repin, succeeded in his endeavors. llis process, of course, is still a secret, but the maiden spawn he produces has been tested by several mushroom growers in the neighborhood of Paris, and always

proved quite a success. All that we can know is that Dr. Repin sows the spores in dry and compressed stable manure, cut into small square bricks about 3x3 inches large and onehalf inch thick. These bricks are used in the same way as were the former ones, but they contain much more mycelium under less weight and volume, the spawn, besides being perfectly young and fresh, has a great vitality, is free from diseases, and last, but not least, the spores that are sown are selected from choice varieties only, giving confidence to the grower that he will not spend his time, money 

not of their kind-keep down the weeds. To scratch over the surface of the soil on the rose benches, at the same time picking off all bad foliage, etc., always gives a house a good appearance and must be beneficial, but the roots are now so near the surface that it must be light indeed, a mere roughing over with the hand.

Plants in good condition will now be producing the finest blooms of the season; if we could only have them continue to bear such flowers until June 1, instead of dwindling down until Bridesmaids are the size of Papa Gontier, and the foliage all crippled with mildew. We do occaan eriphed with mindew. We do occa-sionally see such blooms as late as mid-summer and wonder how ever it is done. What is the secret? Extra good soil? Some particular fertilizer? I think not; the secret of such blooms lies in attention and anticipation on the part of the grower; keeping the plants clean and free from everything that would weaken them or interfere in any way with their growth, such as greenfly, red spider, mildew or

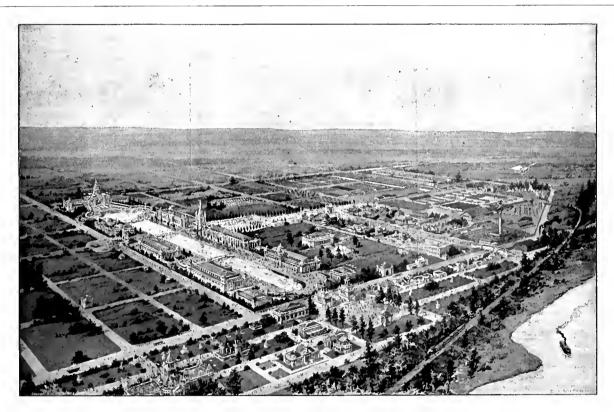
or a hot dried-up atmosphere; avoid a chill, plants are liable to the "grip" of mildew.

It is almost too late now to root any more cuttings, except possibly Mrs. Pierpont Morgan, which I have found does better when rooted late and kept in pots only a very short time. Brides and Bridesmaids grow slowly in pots and if propagated late are apt to be too small when flowers are looked for in the fall, the same is true of Meteor and other varieties.

ROBT. SIMPSON.

### Soil for Roses and Carnations.

ED. AM. FLORIST.—I should like to have your opinion on filling benches for rose forcing. I have always used sod, but as it is hard to get, would like to use something else, if as good, as sod of the blue grass kind is scarce. Also is the soil we use for roses a good soil for carnations? What should it consist of, etc? J. R. E.



GENERAL VIEW TRANS-MISSISSIPPI AND INTERNATIONAL EXPOSITION, OMAHA, NEB.

### Rose Notes.

The rose-grower, in company with all other greenhousemen, will have his hands very full during the next few weeks and will find it very difficult to keep everything moving along as fast and orderly as he would wish. The young stock calls for immediate attention, and the blooming plants will not bear to be neglected. Everything grows now if it has half a chance; plants that may have hung fire all winter will brighten up under the influence of the spring sunshine. They will need to be tied often to insure straight stems; you can't get people to even look at anything crooked. Side growths will need to be removed regularly, and before they are large enough to rob the main bnd. The weeds will grow amazingly if left unmolested for a few weeks, and I have noticed that weeds are like "trusts," they soon starve out everything that is

black spot; and by close observation anticipating their wants and supplying the same, whether it be in the shape of a mulch, liquid manure, shading, or even an ample supply of fresh water before there is a possibility of their suffering. It will not do to put off feeding with liquid manure, or giving a mulch until the flowers become small, or the chances are they will remain so.

Changeable weather is likely to be the rule just now. Vigilance must be our watchword. We must transfer our attention from the boiler to the ventilators. It is difficult to make some people understand the difference between an automaton and a being possessed of judgment and reasoning faculties. It needs the latter to properly operate the ventilators in a rose house at all times, and especially during March and April. Ventilate early, increase gradually; avoid a close muggy,

I think there is no question but that turf or sod is the proper thing for growing roses. We hear it said sometimes that it makes little difference what kind of soil roses are planted in, or any other greehouse crop, so long as it is properly composted with manure, etc., and the plants are given the right treatment. Just as well say it does not matter what a man cats provided his stomach is filled, as health depends mainly on the kind and quality of our clothing. Through the processes of digestion and assimilation the food becomes hair, skin, blood, bone, sinew, flesh-the body-so in like manner the various ingredients of the soil enter into and become part of the plant.

I am certain that the very best soil it is possible for us to obtain will inevery case be the most economical in the end. Roses grow naturally in a soil that is suitable, but it is up-hill work trying to produce a

good article from a poor soil. Would certainly advise "J. R. E." to plant in a good heavy loam turf if it can be had. If impossible to procure turt, good quality loam may be mixed with rather strawy manure to take the place of turf as regards porousness, and may then give fair, even good satisfaction.

Yes, as a rule the soil that produces the best roses will give the best results with carnations too, though a loam that is inclined to be sandy is perhaps preferable to one of a clayer nature. One part cow manure to four or five parts soil, if laid up in thin layers in the early spring and worked over and thoroughly pulverized during May, will be in prime condition for planting in June and July. One hundred pounds each of bone meal and wood ashes to every 2,000 square feet of glass may be mixed through the soil after it is in the benches, or it the proper quantity can be guessed may be added while turning outdoors. Robt. Simpson.

### Carnations.

Last week I had something to say about rusty cuttings, and I want to reiterate what I said then, "Don't throw them away," Most of our best varieties are affected with rust, and grow the best varieties we are compelled to.

If any grower is fortunate enough to have only a very small percentage of rusty entrings in the lot, it is of course advisable to throw the rusted ones out and try and keep the stock clean. If, however, the percentage is small on the clean side of the question, there is no use despairing on that account.

A very good method to keep the stock comparatively clean is to start all rusty cuttings in pots instead of boxes, and after they have become well established and ready for a shift or to plant out, trim all the rusted leaves off the bottom of the plant (where they are usually confined in young stock) knock off about one-half inch of the soil from the top of the pot, to get rid of the spores that have dropped on the pot in handling, and they are ready for a shift or for planting out. After they are ready to top, if it is not too late for propagation, take the clean tops and use them as cuttings, thus often getting perfectly clean stock in that way.

It is not wise to plant rusted stock in the field, as the spores are apt to be carried to clean stock. This applies only to planting them in close proximity to the others. Growers who are fortunate enough to have plenty of land need not be alarmed about planting rusted stock in one part and clean in another, as the danger from carrying rust spores any great distance is practically not to be considered.

Anyone having well ventilated houses, that is, houses that have side ventilation and in which a current of aircan be main tained, will get the best results and have cleaner stock in the fall by planting all rusted stock in the houses direct. If not fortunate enough to have such houses, pretty nearly the same results may be obtained by growing them in pots all summer or until the middle of August, and they should then be planted where they are to bloom

In growing carbations in pots there are everal things to be taken into account, and I will cause arise some of them as fol-

First, from the very day they are potted ease them a place in the house where they am get the best possible ventilation, and beset to be on the point until they are leady for fire nest tall.

Second, see that they do not suffer from an over supply of water or from a lack of it. They should never be allowed to become wilty dry, neither should they be kept so constantly wet as to produce soft wood, as the latter style of plants are always especially liable to diseases of all kinds.

Third, be careful that red spider does not get a hold on this young stock, at the same time do not syringe once more than is actually necessary, or the object of indoor culture will be defeated, which is to keep the foliage as dry as possible, and thus help to eradicate and keep down the rust

Fourth, see that the plants do not become pot bound to any great extent. If in order to avoid this it is necessary to shift them until they get into a 5-inch pot, the extra work will be well repaid by the better health of the plants. Every time they are shifted pull off all rust affected leaves and take a half inch of the soil off from the top of the pot as before directed. Have the soil in the pots rather dry when they are shifted, so as to be able to give it a squeeze and shake out most of the old dirt, so that fresh soilean be put to all of the roots. This will also keep them from forming a hard mass of roots in the center with only a few active and working roots around the outside of the pot, as is usually the case with potted plants.

Use good potting soil, and remember that care and attention are as necessary requisites to good carnation culture as to that of any other plant. It will then be found that rusted cuttings will produce as fine blooms and as much in the way of dollars and cents as the cleanest stock on the place, that is providing the variety is all right. There are many varieties that would not be worth all this care and attention, and would never half pay for it, but any variety that has points of advantage over others in every respect excepting the fact that the stock is rusted, will be worth trying and usually pay.

ALBERT M. HERR.

### Carnation Notes.

A light shading on the glass will now be necessary, but avoid getting it too dense. We find a strip, say eight inches wide, down the center of each pane about right.

Do not relax at all in the care of your plants if you wish to prolong their productiveness, for a little neglect at this time, such as letting them dry out too much or not properly attending to the ventilation, will give them a cheek, as well as going a good way to produce a crop of red spider, which will be a hard matter to get rid of now. Some benches will need watering nearly every day, if the weather is bright and warm, as the soil being full of roots they dry out very fast.

Any bed that has the appearance of being worn out, or in which the roots have become exposed on the surface, will be greatly benefited by a thin mulch which will not only protect the young roots from the sun and drying winds, but will help to keep the soil good and cool. Do not discontinue the liquid manne, but give an application say about twice a week when the conditions are favorable It should not he used too strong, however, as the plants will take it up very fast now, and it is an easy matter to overdo it it we are not cautious, always remember not to apply it when the soil is too dry

Give all the ventilation possible on

bright days, and in cloudy weather have enough ventilation on to prevent dampness, and we are getting to the time when a little crack may be left on all night unless the temperature outside should get too low. Give the plants the same care in regard to disbudding, tying and cleaning as yon would two months ago, for the increasing supply, from now on, makes it necessary to put the flowers on the market in the best possible condition if returns are to be good. Such varieties as Mayor Pingree, Jubilee and others, with extra long stems, very soon get crooked and brittle if not properly attended to.

C. W. Johnson.

### Philadelphia.

TRADE QUIET.—PRICES VERY LOW.—VIO-LETS IN ABUNDANCE.—ROSES PLENTIFUL. —FAILURE OF BERMUDA LILIES.—PER-SONAL.

How's trade? Well things are very quiet with us just at present, if we except the curbstone merchants who are right in it so to speak, for fine mild weather has brought out quantities of flowers and the extreme low prices enables the fakirs to sell at such tempting figures that pas-

sers-by cannot resist. Violets are to be had for any price, in fact the growers say they pick all day and then do not get them all. As they are sold on the street it would seem as if the grower did not get enough to pay for the labor of gathering and bunching. Fifty eents is high for double violets with the exception of a few specials, and these are generally bunched so that the price hardly exceeds this figure. Supiot's new violet La France, an improvement on Princess of Wales, being of darker color and with more substance, is a fine thing. The H. A. Dreer Co., thought so well of it that they have taken of Mr. Supiot all the stock he can furnish the coming year. All violet growers should give it a trial, as anything better than Princess of Wales is surely worth having. Roses seem to grow on every bush they are so plentiful: \$4 to \$6 is the prevailing price for good Brides and Bridesmaids; selected stock all stiff stemmed strives for \$8 while for a few specials with a suspicion of the Manetti stock about them, \$12 is asked. Beauties are to be had at all prices from \$5 to \$6 per dozen for the four-footers down to so much a grab, or most anything so you take the lot. Brunners are quite plentiful and of good quality, \$3 per dozen is enough for some growers although others are sold as high as \$4. Carnations are commencing to drag, \$1.50 is the average price for good stock. The past season must have suited the earnationists as the supply has hardly ever exceeded the demand. Lily of the valley is in fair demand at \$3 to \$4, many growers say it does not pay at less than \$4 as so comparatively few pips produce first class flowers in every hundred forced. Plenty of daffodils, but here again the percentage of first class flowers is also small.

With the failure of the Bermuda lilies and the low grading of the other forcing stock, as noted above, the growers of this class of plants are having a hard time of it this season.

Robert Scott & Son's new tract at Sharon Hill, Pa., comprises fourteen acres of land. On this is to be creeted at once three houses for ent flowers 20x200 feet. Fourteen other structures for young roses are to follow, composed in part of the houses now at the old place which will all be removed by Angust. The roses to be forced in the new houses will all be grafted. Mr. Scott finding them much

more profitable than roses on their own

Growers having large quantities of Easter stock are now the centers of attraction, and their places are being visited by dealers from all directions. New York, Baltimore, Washington and other cities are drawing on this city for good Easter plants. Robert Craig's Ramblers are a great temptation. A few plants a little in advance of the Easter lot are now a great show being full of flowers and should sell at sight.

John Westcott is happy, he having broken the record of the alleys at the club room last Monday. Two hundred and twenty-eight is the new figure, moved up from 221 where it stood for about a month. There happened to be a few members present when the score was made, and something particularly pleasant opened up. No, it was not a rosebud, but the odor we understand was delightful. May 228 stand for a

Visitors in town: W. J. Halliday, Mrs. M. J. Thomas, of Baltimore; J. H. Small and wife and J. H. Loose, of Washington; Alex. McConnell, of New York.

### Fred Kanst.

Fred Kanst was born in Germany in 1847. He came to this country with his parents and worked at general gardening in different places.

After passing a satisfactory examination he was appointed to his present position as landscape gardener for the South Park, Chicago, March 20, 1873. His thoroughly practical ideas of growing and handling trees and plants soon came to the notice of the commissioners, who in turn were not slow in offering sufficient inducement for him to remain, and he has successfully filled his position

for the long period of twenty-five years.

During his early years at the South
Park he gained quite a reputation from
the original designs of bedding which
were displayed from year to year. He made it a special point to change his designs almost every year, so that for nearly twenty years it could hardly be said that the designs were not different from the the designs were not different from the preceding ones. Many readers will no doubt remember the Gates Ajar, the Globe, Calendar, Sun Dial, and vases, made ont of living plants, all of which were his work. This style of planting was copied in different parts of the United Cates and in different parts of the United States, and in many cases the lack of knowledge as to their proper construction, or not having the varieties of plants required, led to disastrous results. The South Parks being the fountain head for this kind of bedding caused the wrath of the landscape experts and horticultural writers to fall upon it with such force and severity as to compel Mr. Kanst to abandon this style of bedding and resort to planting more for flower effects, using great numbers of herbaceous plants and cannas, which grouped together by an artistic hand have proven as attractive to the public as were the designs of days gone bŷ,

Mr. Kanst was married in 1873 to Miss Elizabeth Youngblood. They have three children, two boys and one girl. The youngest son is following in his father's footsteps and has just been appointed assistant landscape gardener in the South

Mr. Kanst's account of how he first became interested in gardening work is very interesting. He says:
"My first idea of becoming a gardener

came from my school teacher in Germany.

At that time (and I suppose it is the same now) the school masters were generally fair horticulturists, florists and nurserymen all combined.

"My teacher owned a nice garden and nursery. One day after I had driven some geese out of his garden as I had seen other boys do before he said to me, 'That's right, my boy, how would you like to be a gardener?' I told him I would like it first rate. 'All right,' he said, 'you may be my gardener and help me take care of my



FRED KANST.

garden, but you must allow neither weeds, lazy boys nor geese to come into the

garden.'
"After that 1 had the freedom of his garden, which was quite an honor, and 1 have always felt thankful to that teacher who helped me to pick out a profession which has been a very pleasant one for me.

Mr. Kanst possesses the qualities of energy and solid practical knowledge to a marked degree, and it is by merit alone that he has remained at the head of his department for so many years. He has secured the respect and friendship of all who have been associated with him either in a business or professional way.

### Boston.

WARM WEATHER AND SURPLUS OF FLOW-ERS.—JACOS GOING CHEAP. — LECTURE IN HORTICULTURAL HALL.—SPRING EXHIBI-TION OPENS MARCH 22.-LOCAL NOTES.

A dearth of news and a surfeit of flowers are the most prominent features of the situation here at present. The weather has been unseasonably warm and the output of bloom from the greenhouses has been greatly augmented thereby. The effect of the warm spell on the crop intended for Easter consumption, if it continues much longer; must be very disastrons. Many growers view the prospect with considerable alarm.

In roses, Bridesmaid and Bridecontinue far in advance as leaders and nothing else seems to have much chance for an existence, although it might be noted that Mrs. Morgan has shown a gratifying advance in popularity within the past year. But the public seem to have tired of Metcor and it goes slowly. As far as

Jacqs are concerned there is little to encourage. They are being offered by the street fakirs at the rate of four for a quarter dollar, big fine buds with long stems. It is hardly necessary to remark that no one can grow Jacqs at that price.

Violets are overflowing the show cases and one can get a bunch of them for a nickel. The street stands are fairly carpeted with violets. Carnations are abundant but average high in quality and as they keep better than either roses or violets this warm weather not much fault can be found with the returns

realized for them.

Geo. T. Powell gave a lecture at Horticultural Hall on Saturday, March 12, on the relation of the public schools to rural and urban life. The lecture was a scholarly production and was listened to with delight by a very large audience. On the design by a very large authence. On the exhibition tables some interesting cut flowers and plants were displayed. Orchids from J. E. Rothwell and C. G. Roebling, Victoria narcissus from R. & J. Farquhar and a large collection of roses from James Comley were among the attractions.

E. M. Wood and W. J. Stewart have gone to Washington to attend the annual meeting of the executive committee of the Society of American Florists.

The spring exhibition of the Mass. Horticultural Society will open on Tues-day, March 22 and continue for four days.

Very few visitors have favored us recently. Mr. De Forest, of Hitchings & Co., New York was noted last week coming out of the Parker House looking as though the fare there agreed with him exactly.

The gentlemen who visited Westerly, R. I., a few days ago never tire telling of the great courtesy and hospitality of their host and hostess, Mr. and Mrs Reuter.

The committee on cities gave a hearing at the State House on Mayor Quincy's scheme for the consolidation of the Public Grounds and Park Departments of Boston.

Peter Boll is building a convenient office in front of his greenhouses at Malden.
For the best Brunners in market it is

difficult to get \$25 per hundred.

# New York.

BUSINESS DULL AND PRICES AWAY DOWN .-ENTERTAINING LECTURE BY PROF. SMITH. -FINE EXHIBITION. -NOTED VISITORS.

The cut flower market continues as reported last week. Values are demoralized. Customers are only secured by going on the hunt for them and then it is not so much a question of price as it is to get rid of the stock. The Greeks are dic-tators just now and take the fullest

advantage of their opportunity.

Prof. J. B. Smith addressed the Florists' Club on the subject of greenhouse pests, at the meeting last Monday evening. There was a good representation of the members, and the lecture was both instructive and entertaining. A straightforward manner, pleasing delivery and a good vocabulary of plain, Anglo-Saxon words of one and two syllables made Prof. Smith a favorite with his audience from the start. His views on the question of the plant inspection legislation which is now being agitated were espe-cially applauded. The various ways in which injurious insects may be accidentally transported from one place to another were alluded to and he said that the quarantine and inspection laws now proposed would not be worth the snap of one's finger in accomplishing the object

Carefulness on the part of growers he declared to be the great duty and the only course that could be expected to

yield good permanent results.

The exhibition table was a great bank of beauty, W. A. Manda having contributed a superb collection of orchids in bloom, which included fifteen varieties of dendrobinms, some very rare, also Cœlogyne cristata alba, Angræeum sesquipe-dale, Selenipedium Roeblingii, Cattleva Schroederiana and a new Cattleva intermedia which has been appropriately named Mandaiana. A vasc of the new carnation, Mrs. Thos. W. Lawson, was also on the table and Mr. Fisher who had brought it on from Boston was called upon to say a few words which he did in his usual unassuming manner. The committee gave the carnation a generous endorsement. An adjustable fastener to be attached to greenhouse rafters was exhibited by Thos. W. Weathered's Son and was duly entered and passed upon in competition for the gold medal. It is worth noting that Mr. Weathered, who so vigorously opposed provision allowing manufactured articles to compete for the gold medal is the only exhibitor in this line so far.

Mr. E. M. Wood, of Boston, who was a visitor, being on his way to the S.A. F. executive meeting at Washington, was called on to speak a few words. Mr. Wood paid a high compliment to New York's flower growers and noted the fact that "Boston Roses" are no longer a prized commodity in the New York flower stores. Fourteen new members were admitted to the club and nine more were proposed. Vice-President Logan occupied the chair, the president being absent on account of sickness in his family.

W. H. Siebrecht turned his potting shed at Astoria into a garden Saturday evening with evergreens, hammocks and settees and gave a grand party to sixty young people of the trade. Dancing and

collation were indulged in.

Visitors in the city: Harry Eyres, of Albany, and T. J. Totten, of Saratoga.

LATER.-Thursday and Friday markets demoralized. Violets difficult to dispose of at \$1 per 1000; roses slow at \$7.50 per 1000; fine large Beauties \$15 per 100.

### Chicago.

DECIDEDLY BETTER BUSINESS, -- GOOD PRICES.-WINTER & GLOVER DISSOLVE PARTNERSHIP. -THE DEATH OF SAMUEL RUBINS.-LOUIS WITTBOLD MARRIED.-VISITORS IN TOWN.

Business has been decidedly better dur ing the past week than it has been before since Lent began, although the fine spring weather for the last few days has brought out an unusually large amount of flowers; still the demand has about kept up with the supply in all lines except lilies, which are now somewhat slow sale except for the very best quality, other bulb stock, such as tulips, narcissus, and hyacinthsof which there was a large stock on hand a work ago is now all cleared out every day.

Bassett & Washburn are bringing in a time lot of long stemed American Beauties and Harrisn libes they expect to have 25,000 lilies in for Easter, the prospect is that there will be plenty of cut lilies in Chicago to supply the demand for Easter, though good pot libes will be scarce

A. L. Fandall has a very brisk demand. for flower, especially when that 9 o'clock shipment arrives, then everything goes.

The firm of Winter & Glover has dissolved. The business will hereafter be carried on by S.B. Winter. During the time the farm has been in business here,

Mr. Winter has made many friends, who Mr. Winter has made many friends who will all wish him continued success. The firm was originally organized as T. J. Corbrey & Co. (T. J. Corbrey and J. T. Anthony) and did business in the Cut Flower Exchange. Mr. Anthony retired and Mr. Corbrey continued the business alone for some time. When the Exchange closed its doors he moved to the southeast corner of Wabash avenue and Randolph street. For some time while at this location Mr. Chas. W. MacKellar was a member of the firm. When he retired Mr. Corbrey became again the sole proprietor, afterwards moving to the northwest corner of the same streets. While here Mr. John T. Glover purchased an interest in the business which was still known as T. J. Corbry & Co., and soon after Mr. S. B. Winter acquired Mr. Corbry's remaining interest. The firm then became Winter & Glover, moving to 19 Randolph street, under which name and at this location they have since done business.

Samuel Rubens, for several years with Kennicott Bros. Co., and subsequently with A. G. Prince, died on the 15th, after

a lingering illness.

W. E. Lynch has been testing the Bohn ice box for the past week; he claims he ean reduce the temperature in the box to 4 below zero. He has had wire designs in the box for a week and so far the designs show no symptoms of wilting or going to sleep.

A. L. Vaughan, of Vaughan, McKellar & Winterson, returned Sunday morning after several weeks' absence on a business trip through the east and south. During his absence he took occasion to visit his

old home at Monroe, La. Louis Witthold, son of George Witthold, the well known Chicago florist, was married Wednesday evening to Miss Schneider, of Wheeling, 1ll.

W. W. Winterson, father of Ed. Winterson, returned Tuesday from an extended

trip to the Pacific coast.

Samuel Pieser has gone to West Baden with his brother E. E. Pieser. E. H. Hunt has opened a retail seed store at his old stand, No. 68 Lake street, near State.

Visiting Chicago: G. V. Van Zanten, Jr., representing Van Zanten Bros., Holland; C. B. Whitnall, Milwaukee, Wis., G. A. Kuhl, Pekin, Ill.; S. W. Pike, St. Charles, Ill; H. M. Sanders, Spokane, Wash., returning home from an eastern trip; Geo. M. Bradt, of Chattanooga, Tenn., publisher and proprietor Southern Florist and Gardener; Mr. J. F. Hicky, of Denver; W. H. Guliett, Lincoln, Ill.

### St. Louis.

ANNUAL CARNATION MEETING. - TRADE STEADY,-VIOLETS TAKE A DROP,-CAR-NATIONS HOLDING THEIR OWN.-FRANK BUCKSAHT SUSPENDS BUSINESS. - VISI-TORS

The annual carnation meeting of the st. Louis Florists' Club was held on Thursday, the 10th, and was musually well attended.

Thirty-two members were present when the meeting was called to order, and their number was augmented by late arrivals. The routine business was quickly disposed of so as to give the earnations the floor. The committee having had the "smoker" in charge reported, and the deficit was Shouldered by the club treasury. W. G. Hucke, L. A. Michel and F. H. Weber were elected to membership in the club. A communication from the Trans-

Mississippi Exposition was read relative to the florists of our club and state joining with them in making the exposition a success, a committee consisting of N. C. Young, J. J. Beneke and R. F. Tesson, with the assistance of the secretary of the club, Mr. Emil Schray, were appointed to communicate with the exposition management relative to our making a display at Omaha, and also to make arrangements for clubs going west to pass through St. Louis.

A recess was taken to give the committee appointed time to pass on the earnations shown; they reported as follows; Certificates awarded to White Cloud and Gold Nugget, shown by F. Dorner & Sons Co.; Frances Joost, shown by C. Besold; Empress, shown by Win. Swayne: Kathleen l'antlind, from Hopp & Lemke, and Alba superba from John Burton. These new varieties were all shown in good shape. A plant of Kathleen Pantlind was also shown and the growth very favorably commented upon. Argyle and Evelina were also shown by their growers in fine style, but were not certificated as they had secured the clubs' certificate when shown at the chrysanthemum show. principal interest centered in the whites, and it was a hard matter for the different growers to make a choice. Evelina, however, seemed to have a shade the best of the question.

J. F. Aunnan, of Edwardsville, showed a fine vase of Daybreak and Scott; John Steidle, of St. Louis Co., showed three fine vases of assorted varieties, also a deep colored sport from Daybreak; H. F. Aue, W. Trillow, F. J. Fillmore and H. G. Ude each showed some fine blooms in assorted vases. The meeting was certainly a success, and the men interested enough to forward their flowers for exhibition should reap the benefits of their liberality in orders. Bidding for the stock at the close of the meeting was spirited, the hest price realized being \$4.05 for vase of 60 Mrs. Geo. Bradt, shown by Fred Dorner &

Sons Co.

After the meeting most of the members adjourned to the bowling alleys where several lively games were indulged in.

Trade has held its own very well considering the warm weather. Harrisii are plentiful and violets have taken a drop since the frames came into bearing, Californias selling at 10 and 20 cents per 100. Carnations are holding their own remarkably well, and have not been in over supply during the week.

Frank Bucksaht, doing business at 2602 Olive street, closed last Saturday; this makes two suspensions in the past

week.

Fred Dorner, Jr., was with us during the past week, and Joe Rolker, of August Rolker & Sons, is in town R. F. T.

### Denver.

Daniels & Fisher, a large department store here, have purchased several of the largest greenhouses in Colorado and also the Colorado Florists' Exchange Co. and are doing a large wholesale and retail business. Mr. A. M. Lewis, former manager of the Exchange, has been secured to take charge of the wholesale department.

The death of Harrison H. Given, which occurred at his mother's rooms in the Charles, block, was a very sadending of a useful life. Since last October he has had a continual run of family trouble, and in December his wife secured a divorce from him. He did not resist the application, but from that time has acted strange and has constantly talked of his family affairs.

He had been engaged in the floral business for many years, having purchased the greenhouses and store of J. L. Russell, and establishing his business under the firm name of <sup>a</sup>The Harrison II. Given Floral Co.?

# THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order. No Special Position Guaranteed. Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.
Address THE AMERICAN FLORIST CO., Chicago.

### Our Spring Number.

April 2 will be the date of the issue of the Easter or spring number of the AMERICAN FLORIST. Nurserymen and seedsmen will be specially represented, and should not fail to place an advertisement in its columns. When it is considered that 13,000 persons directly interested in and connected with the trade will be reached, the advantages of being represented in the advertising pages will be apparent. Copy for advertisements should be sent early, thereby ensuring better attention than can possibly be given at a later date.

# W. K. Harris' Experience with Jadoo.

Your request for my experience with Jadoo received.

My first acquaintance with Jadoo was through Mr. Craig, he having had some and used it on some plants. Their root action was so quick and strong in Jadoo that he thought so good a friend as I should not miss this wonderful discovery. So he ordered a ton of Jadoo and one-half barrel of Jadoo liquid for me without consulting me, thus strengthening the already strong friendship I had for my friend; for it is a "true friend" who would give such a supposed discovery to his competitor in business.

So, well provided with this "Plant Elixir," I began operations at once. We potted twenty-five rubbers from 4-inch pots to 6-inch pots, with about 200 in ordinary soil, and set them together. The Jadoo rubbers made the first and best start, but in six weeks they were behind those planted in the ordinary soil. We tried some Pandanus Veitchii in Jadoo and they seemed not to like their diet, and in thirteen months' time were a sad looking lot. We tried two Dracama Baptistii and one in soil. The one in soil grew very fine; the two in Jadoo did not grow at all, and in three months' time were almost dead. We took them out of Jadoo and potted them in soil and they soon recovered.

We potted 100 Areca lutescens from small pots to 4-inch pots in Jadoo. They looked well for about three weeks; they then began to lag, and soon were quite indisposed, and to-day they are the worst looking lot of many thousands of the same age. We planted some Pandanus utilis from 6-inch pots to 8-inch pots without removing the soil from the roots, and they seemed to grow about as well as those potted in soil.

We potted 100 Dracana Sanderiana (five plants in a pot) from small pots into 6-inch pots, with the 6-inch pots half filled with the Jadoo. They at once became sick, and I think they would soon have departed this life if I had not removed them from Jadoo. I tried to force three lots of lily of the valley pips (1000 pips in each lot) in the same Jadoo. The first lot came out fully as well, perhaps a little better, than those forced in sand. The

second lot was not quite so good; and the third lot were no good at all. I have tried Jadoo on several other plants with similar results, and in no case have I found it any better than ordinary compost, but very often a decided injury.

To sum up the whole thing, I would say that I never had much faith in Jadoo nor any other particular compost for all plants, for different plants require different soils to thrive in. For instance, if I wanted to grow a cranberry I would go to the bogs for soil, and if I wanted to grow a rose I would go to the pasture fields for soil.

In regard to Jadoo liquid, I have not made enough experiments to give an opinion as to its merits, for I use but little manure water in growing my plants, because it adds expense to apply it. Instead I enrich my soil so that most of my plants need no liquid fertilizers to bring them to maturity.

WM. K. HARRIS.

### Philadelphia.

### Mr. Craig's Experience with Jadoo.

ED. AM. FLORIST:—Your request for a report on the results of our experiments with Jadoo is received. We first tried it in the summer of 1896, and in response to an inquiry from the Jadoo Company I sent them the following letter on November 30, 1896: "We tried ferns, cyclamens, palms and crotons in Jadoo. We could notice no better growth in the three first named than when grown in our ordinary compost, but the crotons did do surprisingly well, making large vigorous plants in comparatively small pots; I want to try some more of it, if not too expensive. What is it worth by the ton?"

Since that time we have been experimenting almost constantly and have used in all about four tons of Jadoo and more than a cask of the liquid. We have tried them on many kinds of palms and with ferns in variety, pandanus, dracænas, ficus, begonias, cyclamens, etc., and must say that it does not compare with the ordinary good compost, which has the advantage of costing less than one-fifth as much. Some few kinds of plants make roots very freely in it, and grow vigorously for a short time, but its strength seems soon to be exhausted and the rapid growth ceases. In the case of ficus, pandanus in variety, dracanas, latanias, arecas, kentias and other palms, we have made careful comparisons between plants grown in Jadoo and similar plants grown in our ordinary compost, with the advantage, especially after the first three months, entirely in favor of the latter. In the case of crotons, begonias and other quick growing plants, Jadoo is likely to create a favorable impression at first, as plants of this character root freely in it, and for two or three months grow vigorously, but after that length of time I feel sure that compost, such as is used generally by our good growers, will give more permanent good results.

For the purpose of striking cuttings I cannot discoverthat it has any advantage over clean sand, and it is not so convenient to work with as the latter. On the whole, after an extended trial, I consider it of but little use to the commercial grower.

ROBERT CRAIG.

### About Iadoo.

Can you give me the experience of those who have used Jadoo? Will it pay to use or does it cost too high? QUERIST. Rochester, N. Y.

Replying to above, I have used the Jadoo on a variety of plants. One of my

first experiments with it was with the seed of Areca lutescens. The seed was sown in a variety of composts. Our own mixture is the loam we have here, which is fairly good soil for most plants when well rotted. Cow and horse manure in about equal proportions is added, and also some cocoanut fibre. The Jadoo above referred to and what we call hereabouts Jersey peat, and the latter material proved to be the best, that is to say, the seeds germinated quicker and the plants maintained a richer dark green color all through until they were potted from the seed pots—after which time we did not attempt to keep track of them. I also tried sprouting lima beans in the different mixtures, and in the Jadoo the germination was the most sluggish of any. I have since thought, in trying to account for the difference, that the Jadoo, being very dry when received, possibly needed more water than was given.

In other experiments, notably with Adiantum Farleyense, we found that the difference was against the use of Jadoo, and in favor of our own mixture. I have also tried it on crotons, in comparison with our own soil and a mixture of peat moss—which may be termed the base of Jadoo—and the fine screenings from coal ashes; the sieve used to screen them through was a half-inch mesh, and the crotons grew finely in both the Jadoo and in the peat moss with the coal ashes mixed therein.

Generally speaking, Jadoo is safe to use for most plants. I have been informed, however, that some of the pandanuses do not thrive in it. Since hearing that report I have potted I'andanus Veitchii in peat moss, and so far no deleterious effects are perceptible. Messrs. W. Atlee Burpee & Co.'s new sweet pea, Pink Cupid, was sown in Jadoo, some in peat moss, others in Jersey peat, and some also in our own soil, and the results in all cases were practically the same. Another experiment was made with plain peat moss and Jadoo in comparison; and the plants used were Aglaonema pictum and Curmeria Wallisii, and no difference whatever was noticable. The root action in both cases was excellent.

Jadoo has been spoken of as a good medium for propagating purposes. I do not doubt that it may be, but it cannot be any better for that purpose than is peat moss. Its lumpy unwieldly nature, however, is troublesome to get into the proper condition in which to insert cuttings. We have found it necessary to chop it up with a hatchet and rub it through a screen or sieve before it could be conveniently used for the purpose indicated, and that takes much valuable time, and when good, clean sand may generally be obtainable there can be no advantage in its use for propagating purposes. Its cost is against its use for general purposes, though possibly for some special uses it may be all right.

EDWIN LONSDALE.

Am also asked: "How about Jadoo for earnations and roses? Is it what it is claimed to be?"

I must confess that 1 did not try the material upon either roses or carnations, because I am under the impression that both the classes of plants inquired about need what gardeners and florists know as a stiffer, more loamy soil in which to grow and flower. Others may have tried it, and if so, a report as to the results through your columns would possibly be of interest to others as well as E. L.

Prof. Butz, of State College, Pa., when at the Farmers' Institute recently held in Philadelphia, in answering the question: "What is the difference, it any, between peat moss and Jadoo?" said, "Jadoo is a patented article intended to be used in the place of soil for potting plants, as it is claimed that it supplies all theelements of plant food. In our experiments with it in the greenhouses at State College, some plants did thrive remarkably in it, while others seemed to go backwards. The experiments were not carried very far, as it did not seem to answer very well for growing some plants. An abuti-lon was potted into this material and another in ordinary soil. The one in Jadoo soon turned yellow and the leaves dropped. Nor did it seem to suit coleus, ferns and Rex begonias; whereas some other plants grew very rapidly in it and made a great quantity of roots. Seeds that were planted in this material showed no marked advantage over the same seeds grown in the ordinary potting soil. Crotons are plants that have been highly spoken of as doing well in this material, but in every case, with us, they dropped their leaves. I can hardly realize that Jadoo will ever take the place of soil to be used in the potting of plants." E. L.

### Asters.

ED. AM. FLORIST:-Will you please state when is the earliest I can get Victoria asters in bloom? They are in 2-inch pots now and are good plants. Will plant them under glass. E. L. T.

In reply to above question about asters, the experience of the writer in that mat-ter has been somewhat limited. The only time I made an effort to bring them into bloom early was disastrons, for the plants became affected with a rust, similar to that which attacks verbenas, heliotrope and plants of a like nature, and which caused them to be thrown away, ending in a total failure. However, if those grown by "E. L. T." remainhealthy they should bloom not later than the first week in June. The keeping of some classes of plants-of which the aster is one-under glass continuously, with the object in view of bringing them into flower earlier is not always attended with the best results. Some years ago we had to abandon the growing of asters on account of a black beetle, which destroyed the flowers. It was not until the plan was hit upon to lift the plants just as they commenced to show the color of their petals and transplanted them to the greenhouse that we circumvented his beetleship, and produced fine flowers. They lifted very readily with us, having a mass of tibrous roots, and with careful shading and frequent sprinkling in bright sunny weather, they soon commence to develop their flowers, which I have often thought were produced with a better faish to them than were those which bloomed in the dryer atmosphere outdoors.

# Pittsburg.

The business situation remains in a quiet condition, the Lenten season having had the usual quieting effect. Stock is very plentiful and of almost uniformly good quality, prices at retail remaining um hanged, and likely to stay at present rates until the Laster advance

The Partsburg and Allegheny Florists' and Cardeners, Club, met. on Thursday, the 10th mst , and changed the time of the meeting to the first Monday of each month after the first of April, instead of the second and fourth Thursday of each month as at present. On the 24th they will have an exhibition of and a discus-sion on carnations. The exhibit promises to be very fine; several of the principal growers outside of Pittsburg will contribute to it.

Mr. David Aten, Toronto, Ont., Wm. Hageman, of Philadelphia, Pa., and J.W. Glenn, of Kittaning, Pa., were visitors this week.

Washington.-John H. Small & Sons Company have been incorporated with a capital stock of \$31,500.

LANCASTER, PA.-J. P. Siebold has been sued by Josephine Schilling, from whom he rents his place, for damages caused by the erection of hothouses and digging up the ground.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each lusertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year INS is entitled to a five-line who tady, free to be used at any time during the year.

STUDIATION WANTED—By an experienced gardenet and thorist on private or commercial place; age 33, married. Best of references. Wit, care American Florist.

STUDATION WANTED-Where first-class stock is grown. Best of references from past and present employers; age 24; state wages, etc.

Will, care W. W. Coles, Kokomo, Ind.

GITUATION WANTED—A good place in or about D Chlesgo for a strong, healthy boy of 15 years, to serve as apprentice.

248 Kensington Ave., Chlengo.

STUATION WANTED—A No. 1 grower of roses, carnations, mems, etc.; sober and steady, competent to take charge; prefer the west. Address N N, care American Florist.

OTUATION WANTED-By a first-class, all-round in florist; German, age 80, single; commercial or private place. Address HENRY SCHNEIDER, care C. JACOBS, 610 Chestnut St., Milwaukee, Wis.

SITUATION WANTED - By Brst-class young married dorlst on private grounds; understands fruits, dowers and vegetables. Best references. Address F, 24% Michigan Ave., Chicago.

STUATION WANTED—As private gardener in charge of gentleman's grounds; thoroughly competent in all details of landscape gardening or downstore. E.W. care American Florist.

OTTUATION WANTED-By practical florist, single, in 10 years' experience, good knowledge of florid work, New York state preferred. References. State wages. Address E, care American Florist.

STEUATION WANTED By first-class all-round florist, German, single: 16 years' experience. Good grower of roses, carnations, 'mains, violets, palms, terns and general stock. Address 8, 83 Milwaukee Ave., Chicago.

OTTIATION WANTED By middle used gardener and florist with large experience in this country and Europe, especially in greenbouse culture of all kinds, private place preferred. Address E. M., care American Florist.

OTTEATION WANTED. By an experienced grower of Borlsts' stock, roses and carnations a speciality, as foreman, will invest \$500 in place it a live one and near a good market. For particulars address.

BUSINESS PARTNER, care American Florist.

STITATION WANTED. By a well-experienced fore-man, a hindler, good manager, first-class rose and cut flower grower. Best of references. Only first-class parties need apply, open for engagement to suit un-plover. Address. POREMAN. care Am. Florist.

OTTATION WANTED Astoreman; life experience of in growing roses carnations, violets and all kinds of tropic of plants, strictly temperate, married; state wages palled and particulars. Good references on application. Figurest, 28 Oak 8t. Bridgeport, Conn.

STILATION WANTED By young single man, gen-conf commercial place, 13 years experience, all branches England and America; specialities roses and carriations, sober and reliable. References. State particulars and wages. HARGY DONNELLA, 255 Pawticket Ave., Pawticket, R. I.

OTLLATION WANTED By an experienced land of seapougardener, tertinan, it years old, it years at the rousiness grower of flowers vegetables and traits specialty, pleasure grounds and hotlomes, position wanted in park or private residence. Best of reference and reserved and formers.

WANTED AT ONCE-Assistant florist. Address GOOD HOME, care American Florist.

WANTED-Nurserymeu's and florists' wholesale catalogues Audress M D, care Am. Florist.

WANTED—A good tiorist for store and greenhouse. 11 N. BRUNS, 600 W. Van Buren St., Chicago.

WANTED-The address of Carl Jorgensee, Dane. Amager. Address L. JENSEN, South Butte, Mont.

WANTED-The P. O. address of Geo. H. Bond; for-merly in New Jersey. ASHER M. COE, Coe Ridge, O.

WANTED—An all-round good fierlst clerk, Wages \$12 per week. Address
A B C, care American Florist.

WANTED—One or two first-class young workmen; good, all-round greenhouse men. Address
Chown HILL GREENHOUSE,
3403 Senate Ave., Indianapolis, Ind.

WANTED—Good, reliable and experienced man as second in greenhouse work, making up designs, bedding, etc. Must furnish references. Single man preferred. Address J. N. Kidd, St. Joseph, Mo.

WANTED AT ONCE—A florist (German and slugle); waves for the first two months \$20 and after that \$25, board and washing included. Steady work year round.

MRS A. SENFF, Menominee, Mich.

WANTED-Competent foreman on commercial place to grow roses, carnations, violets, mums and general Horists' cut flower stock. State wages expected and give references.

HARVEY & CO., 5 W. Broad, Richmond, Va.

WANTED-A young man accustomed to growing celery, onloss and asparagus, and who is willing and capable of making himself useful around greenhouses. Good place, with chance for promotion.

11. A. LINDSAY, Birmingham, Ala.

FOR SALE—(33) feet 4-inch cast fron pipe; 38 boxes 10x12 double A glass. 175, care Am. Florist.

FOR SALE OR RENT-Seven greenhouses on West Foster Avenue, Chicago. Apply to John Leluan or next door.

FOR SALK-Greenhouses on principal street in the city. For particulars apply to J. H. REBSTOCK, 584 Main St., Buffale, N. Y.

TOR RENT-Klondike here! 8000 feet glass, stocked T with roses and carnations \$25 per month; imm diate possession. 1011 N. 5th St., Reading, Pa

FOR SALE—Cheap for cash, an old established florist and seed store drawing good business; owner has two places. 174, care American Florist.

FOR RENT OR SALE—Three greenhouses and residence on lot 100x165 feet at Rogers Park, III. Address or call on P. G., Room 6, 127 Wells St., Chicago.

FOR SALE OR RENT CHEAP—Six well-stocked greenhouses, dwelling, etc. Best R. R. facilities, no competition. Renson, poor health, W. L. Winn, White Hall, Ill.

FOR SALE An old-established florist business. Greenhouses well stocked; residence, outbuildings, 50 acres of land, on the line of R. R.; would sell before Easter for benefit of Easter trado. Death cause of selling A. M., care American Florist.

### FOR SALE.

One dwelling house two greenhouses 17xLd, newly hullt, well located and good home trade, on street car line, near city of 300,000 population. For particulars address II S care American Florist.

Greenhouses in one of the best cities in Wisconsin, good investment and a money maker for a hustler, wener must retire on account of poor health.

For particulars write

A. LEUBNER, Wansau, Wis.

# Situation Wanted.

A COMPETENT MANACER of therough ability and over 20 years' practical experience desires a position to take eatire charge of private estate, park or first chose commercial place; an experienced cultivator or paims, orehids, florists' stock in general, shrutbery, truit and vegetades; a good floral decorator. Thoroughly reliable, married, with small family, Good wages required. Address

FLORIST, care S. J. Nelson, 206 E. 28th St., New York.

# Here is a Rare specified there is a Rare open the stocked consequence of th

\$800 will buy com

S, care American Florist.

TT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER

### Chrysanthemums.

Propagation should be now well under way, especially of the varieties which are slow in propagating, or of which stock is scarce.

Every wide awake grower should try a few of the new varieties each year; one or two plants, at least, of a half dozen of the most promising sorts. If these have not been ordered, they should be at once. The tabulated results of the work of the chrysanthemum committees (published in the December 25 issue of the AMERICAN FLORIST) are the most reliable guide in considering the purchase of varieties which the buyer has not seen in flower.

Any variety which has been recommended for a certificate by a number of committees is generally a safe purchase for trial.

The bulk of the stock grown, however, should be of varieties which have been tested successfully by the grower himself. A variety which may succeed under one system of culture may be a failure in the hands of another good grower, and it is much easier to grow those which are adapted to one's methods, than to try and change those methods to suit a particular variety.

In deciding on what to grow three things are to be considered, and they are of about equal importance. Does variety do well with the grower? Does it produce a large proportion of perfect blooms? And does it sell well in his market?

Varieties which throw a large percentage of malformed blooms have to bring a very large price to keep up with the cheaper but surer varieties. The true comparative test of values is the number of perfect blooms which can be had from 100 square feet of bench multiplied by the price which a perfect bloom will bring. Judged on this basis many an apparently valuable variety has made but a sorry showing alongside of its more modest neighbor.

When close planting is practiced and moderate sized blooms desired, varieties with large heavy foliage should not be used.

It has been prophesied for some years that the chrysanthemum craze was on the wane, but facts will hardly justify such prophesies. There will always be a demand, at least in the larger markets for fancy chrysantheniums, at good prices generally. Of course they will have their off seasons, as do all other flowers, and overproduction, as in other lines, will have serious effect on common and medium stock, but this is also the case with roses and carnations, and the careful grower will not be scared out of the chrysanthemum business for some time yet.

# Asparagus Plumosus

Strings 8 to 10 feet long.

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

CONSIGNMENTS CINCINNATI, O SPECIAL ATTENTION GIVEN TO SHIPPING ORDER

BIRMINGHAM, ALA,—Mrs. H. A. Lindsay recently purchased a tract of seven acres of land on which she intends to erect a new and thoroughly modern range of greenhouses, consisting of about 12,000

# Wholesale Flower Markets

| CINCINNATI, March 17.                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------|
| Roses Resultes select. 25 00@35 00                                                                                            |
| mediam                                                                                                                        |
| " Brides                                                                                                                      |
| Bridesmaids                                                                                                                   |
| Meteora 3.00@ 5.00                                                                                                            |
| reries 4 total 5 to                                                                                                           |
| Carnations 1 50<br>fancy 2,00@ 3 00                                                                                           |
| ## fancy                                                                                                                      |
| Idly of the valley       3.00         Romans       2.00@ 3.00                                                                 |
| Narcissus 3.00                                                                                                                |
| Narcissua         3.00           Daffodils         3.00           Volets         5.00           Harriail         10.00@ 12 50 |
| Violets                                                                                                                       |
| Harriail                                                                                                                      |
| Callas                                                                                                                        |
| Tulips         3.00           Smllax         12 50                                                                            |
| Adiantum                                                                                                                      |
| Asparagus                                                                                                                     |
| St. Louis, March 17.                                                                                                          |
| Roses, Beauties                                                                                                               |
| Roses, Beauties 2 00@35 00<br>Meteors 2.00 a 6 00                                                                             |
| " Brides Bridesmaids 2 (i) or 6 (ii)                                                                                          |
| " Perles 2.00% 4.00                                                                                                           |
|                                                                                                                               |
| " La France                                                                                                                   |
| " Kalserin 2.00@ 6.00                                                                                                         |
| Carnot 2 00% 6 00                                                                                                             |
| Carnations 1.50@ 4 00                                                                                                         |
| Violets, California                                                                                                           |
| Lily of the vailey                                                                                                            |
| Harrisil                                                                                                                      |
| Callas 8 (Ma 10 00                                                                                                            |
| Tulips 3.00 4 5.00 Narclasus. Romans 1 00@ 2 00 Smilax 10.00 2.15.00                                                          |
| Narciaana. Romana 1 00@ 2 00                                                                                                  |
| Smilax 10.00@15.00                                                                                                            |
| Freesia 2.00@ 2.50                                                                                                            |
| MILWAUKEE, March 18.                                                                                                          |
| Roses, Beautiesper dozen 1.0@4.00                                                                                             |
| Brides. Bridesmalds 3 00@ 5 00                                                                                                |
| rene, bene a wa h.w                                                                                                           |
| " Meteors 3 00@ 6 00<br>Carnations 1.00@ 2.50                                                                                 |
| Vlolets                                                                                                                       |
| Vlolets                                                                                                                       |
| Lilvof the valley 3 00% 4 00                                                                                                  |
| Freeslas 2 00@ 3 00                                                                                                           |
| Tulips. 11 yacinths                                                                                                           |
| Von Slons, Jonquila 2 (00@ 3 (0                                                                                               |
| Callas, Harristi                                                                                                              |
|                                                                                                                               |
| BUFFALO, March 17.                                                                                                            |
| Roses, Beautles. 10,00@50 00  Brides, Bridesmalds, Meteors. 3 0.6 6 00  Perles. 2 0.0 3 00                                    |
| Brides, Bridesmaids, Meteors 3 00@ 6 00                                                                                       |
| " Ninhetes 2.00@ 3.00                                                                                                         |
| " Niphetoa 2.00@ 3 00 " Kalserin Mermets 5 00@ 8 00 Carnations extra 2 00@ 3 00                                               |
| Carnations extra 2 00m 3 00                                                                                                   |
| " ordinary 1.00@ 1.50                                                                                                         |
| Ordinary. 1.00@ 1.50 Lily of the valley. 3.00@ 4.00                                                                           |
| Violets 50@ 1 00                                                                                                              |
| Romana 2 Diga 4 Di                                                                                                            |
| Harrisii 6 00@10 00<br>Smilax 12.50@15.00                                                                                     |
| Adjusting 12.50@15.00                                                                                                         |
| Adjantum 1.25@ 1.50                                                                                                           |
| Asparagus                                                                                                                     |



# REINBERG BROS. WHOLESALE GROWERS OF CUT FLOWERS.

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 Extra fine mixed Gladioli Bulbs, per 1000.
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# Wholesale Flower Markets

| CHICAGO, March 18.                            |
|-----------------------------------------------|
| Roses, Beautiesper doz, 1.00@4.00             |
| Brides 3.00@ 5.00                             |
| " Meteors, Bridesmalds, Kaiserin. 3.00 @ 5.00 |
| " Meleora, Bridesmaids, Kaiseriu. 3.00 3.00   |
| " Perle. Gontlers                             |
| " La France. Testout 4.00@ 8.00               |
| Carnations, common 1.10@ 2 00                 |
| fancy                                         |
| Taney                                         |
| Violets                                       |
| Narcissus, Romans 2.00@ 3 00                  |
| Callas 8.00                                   |
| Harrish                                       |
|                                               |
| Lily of the valley 2.00@ 3 00                 |
| Tulips                                        |
| Von Stons 2.00                                |
| Hyncinths                                     |
| Hyucintus                                     |
| Adlantum 1.00                                 |
| Smilsx                                        |
| Asparagus40.00@75.00                          |
| Asparagus                                     |

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 $S_{1}, 50$ 

PER HUNDRED.

CARNATIONS.

| TRIUMPH          | 43 00 per 100. |       |
|------------------|----------------|-------|
| DATBREAK         | 1.50           | 12/50 |
| HARRISON 5 White | 5 (14)         |       |
| MINNIE COOK      | 1 41           | 12.50 |
| ROSE QUEEN       | 1.561          | 1250  |
| SCOTT            | 1 (4)          | 2.349 |

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ASPARAGUS PEUMOSUS foc a string. SMITAN \$2.00 per doz. strings.

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PHILADELPHIA.

## Wholesale Flower Markets

| New York, March 16.   Roses, Beautles.   6 00@40.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Dunious, Larger transfer to the contract of th |
| BOSTON. March 15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Brides, Bridesmaids, Carnot 2 00@ 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MOIGHIA, MELECI 4.00@ 0 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lily of the valley, Daffodils 1.00@ 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Viuleta 25@ .40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Harriali, Calla 5.00@ 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tulipa 1.50@ 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PHILADELPHIA March 16.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Roses, Beauties, select                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " medlum 6.00@15.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| " Brunners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| fancy 2 00@ 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Lily of the valley 3 00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Narcisaua                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hyacintha. 2.00@ 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Harrisil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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# LUDLOW ST. PHILADELPHIA. PA

## John I. Raynor,

49 WEST 28th STREET.

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SPECIAL EXTRA STOCK OF

AM. BEAUTY. METEOR. BRIDESMAID, BRIDE.

**Record Breaking Carnations** ALL THE YEAR ROUND.

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\* \* Wholesale Florist

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### ORIST.

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

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Will find a good market and good returns for their stock at....

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## WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.

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wers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

### J. K. ALLEN, Wholesale Florist.

WHITE VIOLETS, finest quality. EXTRA ROSES and other desirable specialties.

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Long Distance Telephone 382-38th St

### GALVIN&CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS. Cut Flower Consignments Solicited. Best market.

NEW YORK.

## GEORGE A. SUTHERLAND, Cut Flowers # Florists' Supplies WHOLESALE.

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Wholesale Florists

JOBBERS IN

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# JOHN YOUNG.

and all other choice cut flower stock. NEW YORK. 51 W. 28th Street. Price ilst on application.

### FRANK MILLANG, FLOWERS.

WHOLESALE COMMISSION,

408 E. 34th Street.

Cut Flower Exchange,

NEW YORK.

### Lenox. Mass.

Lenox is just beginning to emerge from the snowdrifts under which it has been buried deep and the cutters and sleigh-bells will soon go into seclusion once more. The spring season here comes late and lasts but a brief time. Soon all will be hustling at the garden work which is so important a part of the private gardener's profession in a place such as Lenox. Next to the matchless scenery of these beautiful Berkshire hills in interest at the present time is the contents of the many conservatories which are presided over by a community of expert gardeners unexcelled in skill as they are unrivaled unexcelled in skill as they are unrivated in hospitality. No prettier sight can be imagined than the peach houses at Mr. Morgan's and Mr. Lanier's under the charge of Messrs. J. F. Huss and A. H. Wingett, respectively. Mr. Huss' inborn love of the beautiful as exemplified in a house of well trained peaches and nec-tarines in full bloom is put to a severe test this season, however, for there is a budding gardener in the cottage near by, who was not there when the peaches bloomed last year, whose cheeks are like ripe peaches, and in whose bright presence all the peach houses in the world fade into insignificance. Mr. Huss still finds time, notwithstanding, to display his cunning workmanship and ingenuity in many ways. Among the most interesting things to be seen are a number of chrysanthemums grafted on the common marguerite and growing luxuriantly. His method of starting fern seeds in the slight depression on the side of a pressed brick instead of in the fern pans generally used seems good and certainly gives the very best results. Mr. Wingett's peaches are a little later

than Mr. Huss'. His stove house is well worthy of a visit, especially for the great anthuriums, many of which are seedlings raised here, which are abundantly furnished with splendid blooms. Strawberries in pots are just beginning to show flower.

If Thos. W. Weathered's Son never erected another greenhouse besides the capacious conservatory at W. D. Sloan's that structure alone would be sufficient on which to base a reputation. The central palm house is twenty-eight feet in height and its contents under the skilful eare of Wm. Griffin are well worthy of their home. In one house there is a superb collection of Begonias Rex and Rex hybrids and Mr. Griffin has been doing a little carnation hybridizing from which he anticipates good results. Carnation Lily Dean is very fine here, strawberries in pots look promising and a house of ferns is grand. Violets, both Marie Louise and Mrs. Campbell are now in excellent condition, although Mr. Griffin states that in the fall they were very sick. His treatment for diseased violets is to keep them cool, give plenty of air but no extreme of temperature and and they will come out all right.

At J. H. Choate's place over the Stock-bridge line, where C. R. Russell presides, there is a bright display of cinerarias, geraniums, cyclamens and other seasonable flowering plants. Princess de Galles violet as grown here is a revelation. No other variety can compare with it. lets are also fine with Geo. Thompson at H. H. Cook's place, and no finer carnations can be found anywhere. The strawberries here are further advanced than elsewhere, being already in fruit, and just

reaching the stage where they would tempt one to break a couple of the commandments. Fully astempting are A. H. Loveless' tomatoes which are loaded with luscious ripe fruit. Mignonette, violets, carnations all show up here equal to the best. A batch of fancy pelargoniums give promise of a bright display soon. A lot of swainsonas in 5-inch pots are such as to give much weight to Mr. Loveless' claim that in 5-inch pots is the only way to grow them.

Ernst Lundburg a young man formerly employed on the estate, succeeds James Paul in charge of the A. P. Stokes place.

### Report of the Park and Outdoor Art Associa-

The report of the first meeting of this association, held at Louisville, Ky., May 20, 1897, has come to hand. In addition to other data, it contains the valuable papers read at the meeting by leading authorities on park matters. At this meeting the following resolution, on the motion of H. W. Jones was unanimously

adopted:
"That it is the sense of this convention, that the successful development of parks throughout this country depends very largely upon the entire elimination of politics from their control and management; and we urge upon the citizens the necessity for the appointment as park commissioners and other officials such persons only as have sympathy, taste and ability in the preservation and culture of nature and art."

The next meeting will be held at Minneapolis, June 23, 1898. The secretary of the association is Warren H. Manning, 1146 Tremont Building, Boston, Mass.

# CANNAS

# CANNAS

### THE FINE NEW BEDDERS

PRESIDENT McKINLEY, PRESIDENT CLEVELAND, DEFENDER, TARRYTOWN. At 60 ets, each; \$5.00 per dozen; \$40.00 per 100 from 4-inch pots.

> MRS. FAIRMAN ROGERS .....4-inch Pots, \$12.00 per 100. MLLE. BERAT.....4-inch Pots, \$15.00 per 100. ROBERT CHRISTIE......4-inch Pots, \$20.00 per 100.

## Also a Fine Stock of Strong Dormant Bulbs.

Oneen Charlotte, Mme. Crozv, Florence Vaughan, Chas. Henderson, A. Bouvier, Egandale, Ami Pichon

At \$2.50 per 100; \$20.00 per 1000.

M. Mesnier, L. E. Bally, Midway, Admiral Avellan, Prest. Carnot, J. C. Vaughan,

\$3.00 per 100.

FLDORADO, Alex. Billard, Chicago, Burbank, Count de Bouchard, Souv. de Prest, Carnot,

\$4.00 per 100; \$35.00 per 1000.

Souv. d'Antoine Crozy, Papa, John White, Italia,

\$5.00 per 100; \$40.00 per 1000.

# SPECIAL OFFER: 1000 Fine But 500 Strictly our selection of sorts.

1000 Fine Bulbs in 10 named sorts, \$15 00 Cash.

THE COTTAGE GARDENS, Queens, N.Y.

### Milwaukee.

All florists having some glass of their own, have more or less of a supply of potted stock, principally bulbous plants and azaleas, the demand being a trifle below par since Lent began; they are not purchasing the usual quantity of roses and carnations, the consequence is a surplus of common stock, the choice continues to clean out.

Holton & Hunkle Co. have increased their counter space and are making other improvements.

Duester & Son are receiving many congratulations upon the success they have attained this season in producing roses and carnations. The stock they are sending in to Holton & Ilunkle is very fine.

Ellis & Pollworth's five houses are in very good condition, largely kentias and arecas of moderate size, and the smaller sizes of latanias, with Pandanus Veitchii, ficus and ferns. They are starting a few thousand palm seeds and are cutting a nice lot of bulb stock. They will have a large lot of Spiræa Japonica in for Easter but no Easter lilies.

Mr. Fred Schmelling has his place in good order; a few of his roses are a trifle yellow, as if over-watered, but full of good strong young growth. His carnations all indicate a good continuous crop; his cutting benches are full. The condition of potted plants indicates a careful preparation for spring trade.

Mr. John Dunlop has just started a hotbed for cannas, and has a good assortment of stock for retail plant trade. His carnations are good. He complains like Mr. Schmelling of the Harrisii lilies being diseased; they are for the most part a dismal failure and will be short for Easter.

Robert Currie's three houses are in

Robert Currie's three houses are in excellent condition, with carnations and violets.

Whitnall Floral Co, have a nice lot of lilacs and Spiræa Van Houttei which promises well for Easter; Harrisii lilies will be in time; the longiflorums will come in after Easter. Spiræa Anthony Waterer will be on time.

In calling to see Mr. Von Oven we found Mr. Geo. Ringrose in possession. His carnations, as usual, are in good condition. There is a nice assortment of retail stock, and the finest looking bench of sweet peas in this city, which will no doubt be in for Easter.

will no doubt be in for Easter.

Mr. Stapes' place contains about the same proportion of carnations and roses. The carnations are very good, the roses a trifle inferior to what we have been accustomed to see on his place. A small crop of lilies are in fair condition.

Mr. W. M. Brauch, a former employe of Mr. F. Dilger, has leased the old plant on the corner of Vleit and Forty-second streets formerly occupied by Mr. Rights. He took hold of the place very late in the fall, after frost, with the weeds growing out through the roof, rather a discouraging outlook at the time, but has succeeded in getting things in order and will have a fair crop of spring stock.

Mr. Right is located on Western avenue, where he has built two greenhouses of his own, one of which he has planted with carnations and the other contains a general assortment of odds and ends useful in his retail store.

It was a pleasure to call on Mr. Fred. Menger, Twenty-seventh street. The place is not large but almost a model. The office is as convenient and comfortable as if a florist had nothing to do with it. The cyclamens, cinerarias and longiflorum lilies are much finer than are commonly seen.

C. B. W.



### Marketing Cut Flowers.

Paper read by J. T. Anthony before the Chicago Florist. Club, February 21, 18.8.

How to dispose of cut flowers to the best advantage is a matter of great importance to every grower in small towns, or where greenhouses are situated in large centers of population. To sell them at retail at the greenhouse is the solution of this question. But in large cities the greenhouses must necessarily be several miles out in the country. In order to reach the retail purchasers or consumers, it has been found most convenient to have retail stores near the business centers and residence portions of the city to dispose of the stock. A few growers have stores in the city and retail the stock they grow, but a majority of the growers prefer to sell their flowers at wholesale, leaving to others who have made a study of that particular line, the business of retailing them. There is therefore two distinct branches of the cut flower business, the grower and the retailer.

Ten or fifteen years ago growers brought flowers in from the greenhouses three or four times a week, some of the larger or more pretentious ones in wagons, the smaller ones in boxes or baskets, and peddled them around from store to store until disposed of. At that time all the stores were concentrated within a radius of less than three miles from the center of the city. Now a radius of twelve miles would hardly cover them on account of the large number of stores and their distance apart, making it impossible to reach more than a limited number of them during the morning hours while flowers are being bought. The peddling of cut flowers is nearly obsolete in all of the large cities. Except a few large growers who have wholesale stores for the sale of their stock, practically all of the flowers grown in this vicinity are sold through commission firms, who have established themselves for the special purpose of selling cut flowers on commission. Whether the commission man has come to stay or is only a passing shadow in the grand panorama of changes that is taking place in the trade, time will determine. The ideal wholesale cut flower market has not yet been established and perhaps never will be. To dispose of cut flowers to the best advantage in the market as at present constituted, is the subject before us. The grower should place his stock in the hands of his agent, the commission man, in the best and most attractmission man, in the best and most activactive form. All flowers should be carefully graded by the grower. At least two grades should be made of all flowers. In many cases more would be necessary Especial care should be taken with all bunched flowers, every individual flower put in a bunch should be salable. Full count should be given in all cases and it would be better to put in twenty-six in place of twenty five, to make up for a possible broken one.

American Beauty roses have sold better and have brought comparatively better prices for the past year or two than other roses. Is not this due in a great measure to the more careful grading of Beauty roses: I think it is. We will suppose you have twelve dirysauthe mums. They may be all good flowers and of the same variety, fait of assorted sizes. The mailest flower, we will sup-pose would go with a grade that would sell readily for 10 cents each, the largest, a fir (cl. s. ) to ver worth 40 cents; the average price could be 25 cents each, or 83 per dozer. Would not 82 per dozen be a good price for such a dozen flowers. One dollar is lost to the grower by not having the flowers properly graded, and perhaps the party purchasing them is not so well satisfied as he would have been with an even grade of flowers that would not be worth over \$2 per dozen. I am satisfied that many chrysanthemum growers have lost nearly one-third of the value of their flowers by not grading them in varieties and size of flowers. H these are the facts with the American Beauties and chrysanthemums, why do they not apply to all other flowers?

The grower's agent, the commission man, recognizes the importance of having stock graded, though he may sell the grower's carnations, as put up by him under his nom de plume of Nos. 20, 40 or 80, that is twenty good, salable flowers, two fair flowers, but short stems, three so badly split as to be worthless, for a for a bunch of twenty-five. Still when he ships them out of the city under his own name or firm name, that is entirely different. His own name is at stake. He cannot fall back behind Mr. 20, 40 or 80, so when he packs a box of 100 carnations to ship out of the city, there are 100 good salable flowers put in the box, no matter now many bunches of twenty-five it takes to make up the number.

Roses are scarcely ever sold without being graded, though the work is seldom done by the grower at the greenhouse, as it should have been. Who has not seen several hundred roses piled on a wholesale counter ungraded, and of all kinds and colors, in the rush hours of the morning when flowers are coming in and customers are waiting for them. Everybody is in a hurry. There is no time to take care of stock. Everybody wants select stock. The salesman starts to select roses to fill his orders. By the time one half of the stock has been selected the balance begins to have the appearance of having been run through a threshing machine. When three-fourths has been selected, what is left looks as though it had been run over by a steam roller. This is not the fault of the commission man. He must wait on his customers when he has them, regardless of everything else, and attend to his stock when he gets a chance to do so, which generally is not until the principal sales are over for the day. Then what is left of the wreek of the day's stock is carefully sorted over. All that are still salable are set aside for a later customer, the poorer quality sold to the street fakirs for very

little more than they would be worth to the grower for mulching. I have estimated that not over 50% of the flowers grown ever reach the customer. Even fair conditions during times of scarcity, such as we have had for the past twomonths when the retailer has much of hisstock sold before he purchases it, not over 60% of what is sent in by the grower ever reaches the customer in good condition, and 25% of this loss is between the time the flowers leave the greenhouses and reach the retailer's counter. Everyone knows that there must be more or less: waste in handling flowers. I believe that nearly one-half of this waste could beavoided if the growers would grade their stock before sending it to the commission house, and then all that is necessary is tocount out what is sold. The grower would be well paid for his time by the saving in his flowers and the large returns made for those sold. Every grower should take pride in keeping his stock up to grade, so that purchasers would call for stock with his number, or better still, use your own name instead of the heartless and soulless number. Would Harstring send his flour to a commission house with no other brand than No. 9 flour? or the Mogin creamery send their butter tobe sold as No. 15 butter?

Some growers' places are too small to grade their stock, as it would make too many parcels and they would not have enough of any one grade or variety to-cut any figure. If that is so, are they not growing too many varieties? Every one whose place is large enough to be made to pay at all, can cut some figure in the market by confining themselves to one or two varieties that can be done best. No one should attempt to grow American Beauty roses unless they have at least 5,000 feet of glass to devote to that rose, because with less than that amount the stock of cut flowers would be so small that they could not be graded, and without being graded they would bring but very little in the Chicago market.

ASHTABULA, O.—Herbert Tong has purchased the M. E. Fassett estate, for a cash consideration of \$4735. Mr. Tong has been head florist at the W. L. Scott private greenhouses in Eric, Pa., for the past fifteen years. He will take possession of his new place at once and the business will be continued without interrup-

## The American Florist\ Company's New... The the the Directory

Sixth Edition—1898

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AMERICAN FLORIST COMPANY, 324 Deachorn St CHICAGO.

### Musa Ensete.

The highest æsthetic eestasy we ever enjoyed was on our introduction to this beautiful plant seated in the parlor of one of the most unique American homes, Mr. Hunnewell's, at Wellesley, twenty-five or more years ago. With me were Mayor Wallack, of Washington, and General Michler, engineer in charge of public buildings and grounds. We were on a trip north in search of rare and heautiful plants to decorate the president's conservatories. A messenger had gone to find the princely owner that we might obtain permission to inspect the rare gens of nature collected there. My enthusiastic anxiety for a closer inspection of the rich mahogany mid-rib, and fine contrasting green of the majestic leaves amused Mr. Hunnewell and my traveling companions very much. It was growing in the cool conservatory adjoining the residence. The scene has left a delicious impression on my mind never to be removed. We were delighted to see, in the catalogue of one of the most reliable seedsmen of this country, that the seeds could be bought for a penny a piece, thus putting it within the reach of the millions, a much to be desired result rarely considered by the average ornamental horticulturist or florist. Its ornamental value may be eclipsed by its usefulness as an esculent, and its name be the "Cabbage banana." We are the fortunate owners of a rare, first edition of James Bruce's travels to discover the source of the Nile in Egypt, Arabia, Abyssinia and Nubia, in five large quarto volumes, published in Edinburgh, 1790. No author was ever more traduced, abused and vilified than Bruce; the Grub street backs, the penny-a-liners, and even old gruff but honest Sam Johnson took a hand at it, and yet all he wrote, with a few unimportant exceptions, has been verified by subsequent travelers. There are two plates of ensete in volume five, page thirty-five, accurate and interesting. The following extract from the text may lead to the adoption of a new vegetable: "It is said that the Galla, when transplanted into Abyssinia, brought for their particular use the coffee-tree and the belore known. However, the general opinion is that both are naturally produced in Abyssinia provided there is heat and moisture. It grows and comes to great perfection at Gondar, but it most abounds in that part of Maitsha and Goutto west of the Nile, where there are large plantations of it, and is there, almost exclusive of anything else, the food of the Galla inhabiting that province; Maitsha is nearly upon a dead level, and the rains have no slope to get off easily, but stagnate and prevent the sowing of grain. Vegetable food would, therefore, grain. Vegetable food would, therefore, be very scarce in Maitsha were it not for this plant.

"As soon as the stalk of the ensete appears perfect and full of leaves the body of the plant turns hard and fibrous and is no longer eatable, before it is the best of all

vegetables.
"When you make use of the ensete for eating you cut it immediately above the small detached roots, and perhaps a foot or two higher, as the plant is of age. You strip the green from the upper part till it becomes white; when soft like a turnip well-boiled, if eaten with milk or butter, it is the best of all foods, nourishing and easily digested.'

We do not doubt but that this plant willere long becultivated for its usefulness as an esculent in the south. In the north its ornamental character needs no hoom.

Wм. R. Sмітн.

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Mr. J. Hogg, formerly with Steel Bros. Co., Toronto, is now with S. G. Courteen. Milwaukee.

NETTED GEM MUSK MELON, Refugee beans, Hubbard squash and Evergreen sweet corn are common standard items, but already scarce.

CONTINUED FINE weather the past week has increased mail trade everywhere and receipts compare favorably with those of 1894 and 1895. It is believed that this will result in making the mail trade season a short one.

VISITED CHICAGO: A. L. Rogers, W. H. Grennell.

### Pacific Coast.

The Examiner, San Francisco, says: "A comparison of the rainfall figures in this city shows that the season of 1897-98 up to March I has been the dryest since up to March I has been the dryest since 1864. In the latter year the rainfall was 6.21 inches, as against 7.32 inches for this year. In 1851 the rainfall up to March I was 3.56 inches. Last year the rainfall in this city up to March I amounted to 20.55 inches. Mr. Hammond, of the Weather Bureau, has present a comparative statement showing pared a comparative statement showing the rainfall in Sacramento during the years that it was unusually dry, so that farmers can draw their own conclusions regarding can draw their own conclusions regarding a dry season for 1898. The rainfall up to date at Sacramento amounts to 8.54 inches. The other dry years up to March were as follows: 1851, 1 inch; 1863, 7.17 inches. 1864, 4.58 inches; 1871, 5.57 inches; 1877, 7.79 inches.

### Catalogues Received.

Catalogues Received.

The Cottage Gardens, Queens, Long Island, N. V., plants; Thos. Mechan & Sons, Philadelphia, Pa., trees, shrubs, fruits and plants; James J. H. Gregory & Sons, Marblehead, Mass., seeds; Samuel C. Moon, Morrisville, Pa., trees, shrubs, truits and plants; F. R. Pierson Co., Tarrytown-on-Hudson, N. V., trees, shrubs, plants and seeds; C. J. Pennock, Kennett Square, Pa., rooted cuttings; Western Seed & Irrigation Co., Waterloo, Neb., seeds; L. Palmer Gordon, Ashland, Va., seeds; J. Palmer Gordon, Ashland, Va., plants James M. Lamb, Fayetteville, X. C, trees, shrubs and plants; I. N. Kramer & Son, Cedar Rapids, Iowa, seeds and plants, Wm. H. Spooner, Jamaica Plain, Mass., plants, Syndicat des Cultivateurs d'Oignons a Fleurs, Ollioules (Var) France, bulbs; Louis Vieweg, Quedlinburg, Germany, seeds and plants.

### Cut Flower Price Lists Received.

Bassett & Washburn, Chicago; Kennicott Bros Company, Chicago, Kenni-cott Bros Company, Chicago, W. A. McLadden, Cucumati, H. L. Sunder bruch Cucumati, St. Louis Cut Flower Co., St. Louis, Samuel S. Pennock, Phila-delphia Wm. F. Lasting, Buttalo, Holton & Hunkel Co., Milwauker.

### Greenhouse Building.

New York S. Y. Goo. Bets, Twenty third street and Webster avenue, one con-

Holidaysburg Pa Bender Brossoni forcing house 25-100 Familield, Cons. O. G. Jennings, one

Philadelphia, Pa.-Carl Guckert, Ridge avenue, one greenhouse.

Plain City, O.-Cyrus Converse, two greenhouses 16x70.

Marinette, Wis. - Geo. Vatter, State street, five greenhouses.

### Canada Takes Action on Nursery Stock.

The minister of agriculture introduced in the house of commons a bill to protect Canada from the rayages of the San Jose scale, on Wednesday, March 16. The bill absolutely prohibits the importation of all kinds of nursery stock from countries where the insect prevails, and will apply at once to the United States, Japan and Hawaii. By general consent the bill was put through all its stages at one sitting, and therefore became alaw March 17.

HOMER, N. V.—D. C. Coon has bought a half interest in the florist and market gardening business of D. Hobart.

WICKFORD, R. I.-Peter S. Byrnes, of the Homoganset Greenhouses, has been chosen president of the Business Men's Association of Wickford.

CLINTON HEIGHTS, N. Y.—James Brooksbee, for many years a florist here, died on the morning of March 1.

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### Michigan Nursery Law.

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ED. AM. FLORIST:-I am in receipt of your favor of the 8th inst. attached to which is a clipping from the AMERICAN FLORIST in reference to the Michigan nursery law.

, This matter has been referred to our traffic manager and instructions will be amended at once in accord therewith.

J. A. D. Vickers, Supt.

ELMWOOD, N. Y.-I. D. Clift and W. W. Norris have formed a partnership to conduct the business of flower growing here. They will soon erect one large green-

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N. F. McCARTHY, Treas, and Manager, 84 Hawley St., BOSTON, MASS.



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FANCY

DAGGER

Do not order any ferns unless you are willing to pay this price as my stock is very limited and I have hardly enough now to carry my old stand-by customers to Laster

L. B. BRAGUE, Hinsdale, Mess.

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New Catalogue of all FilalSTS SUPPLIES on application 22°For the trade only.

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John Conley & Son,

2 AND 4 DOMINICK STREET,

\_\_New York.

### Cincinnati.

GOOD TRANSIENT TRADE. - SOCIETY MEET-ING.—SNAP SHOTS OF THE SHOW.—PER-SONAL.

Business has been keeping upfairly well for the Lenten season; in fact store men report good transient trade, much better than was expected. The weather being warm and pleasant has brought out the shopping public in great numbers.

Roses and carnations find a ready sale while tulips and violets are moving

slowly.

Wholesale houses report a good ship-

ping trade.

The regular monthly meeting of the Cincinnati Florists' Society was held March 12 and called to order by President Wit-terstaetter. The meeting was fairly well attended and the rose and carnation show brought out a goodly number of visitors in the afternoon. There were on exhibition over 100 vases of cut flowers, roses and carnations predominating. Mr. Theo. Bock—his judgeship— was on hand and brought with him Mr. John Boehner of Dayton, Ohio. Mr. Boehner spoke very flatteringly of the Cincinnati monthly show and of the way Mr. Bock hands down decisions. When will Theo, bring his better half around? We are waiting

patiently. Snap shots of the show: A vase of 100 Mrs. Geo. Bradt from Fred. Dorner & Sons Co., was magnificent, and I doubt whether this carnation was ever shown in better shape at any of the previous meetings. A vase of Gold Nugget from the same firm was well done and much admired. Mr. Hill showed Psyche and J. Whitcomb Riley; both made a grand showing. Stollery Bros., of Chicago, sent a vase of their new bread-winner, Argyle: everybody seems to like it. A. Sunderbruch's Sons made the largest display in cut flowers as well as pot plants, and received in turn the largest amount of points. City Greenhouses were second with a creditable display of decorative and blooming plants. Messrs. George & Allen were easily first with roses and bulbous flowers, while Mr. Will Murphy made the best general display of standard carnations. A vase of seedling cannas from Fred Walz were very fine, and his vase of chrysanthemums satisfied all curiosity seekers. Mr. Walz says this 'mum can be had almost any time of the year. Evelina was the grandest white on the exhibition table. A new feature at the last show was the mushroom and eucumber display made by Mr. J. Robertson, gardener to Mr. Schmittlapp.

It was decided to hold the next regular meeting on the third Saturday of April,

instead of the second.

Mr. E. G. Hill, of Richmond, Ind., and Mr. J. Boehner, of Dayton, Ohio, were

visitors at the show.

Mr. Jac. Wezelenburg, of Sassenheim, Holland, carried off several large orders from this city and went to Chicago much H. SCHWARZ. encouraged.



# reca Lutescens

LARGE HEALTHY STOCK

| 3   | Plants. | 6-in.  | Pot. | 24 to | 32-in. | high, | very | bushy. | each | <br>        | 1 00  |
|-----|---------|--------|------|-------|--------|-------|------|--------|------|-------------|-------|
| - 3 | 4+      | 7-in.  | 6.4  | 32 to | 36     | .,    | + 6  |        | • •  | <br>        | 1.50  |
| - 3 |         | 8-in   | * *  | 36 to | 42     | 0 +   | 4.4  | 6.6    | 6.4  | <br>        | 2 (0) |
|     |         |        |      |       |        |       | 6.6  | 6.6    | 6.6  | <br>        | 2.50  |
| 1   |         | 10-in. | 6.6  | 4 to  | 5-ft.  | high, | 4.6  | 6.4    | * *  | <br><b></b> | 5.00  |

ALL MEASUREMENTS FROM TOP OF POT.

JOSEPH HEAGOGK, WYNCOTE, 

JOHN H. LEY, Good Hope, D. C.

Solicits early orders for following fine stock: NEPHROLFPIS, D. Furcans Each. Doz. 3 to 4 feet over, full, spleodid plants 50 or more froods (in page)....... \$2.00 \$18.00 NEPHROLEP S. D. Furcans Very large, full of fronds, 3 feet over (6-luch pots, fit for 8-luch)...... 1.00 9.00 NEPHROLEPIS, Bustoniensis 

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Roses, Palms

and Novelties in Decorative Plants.

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The most showy semi-climber of recent lotroduction. Strong 3-hech plants now ready. Also Little Cem Callas, 2½ heches Logan Berries. Strawberry Raspberries. Mayberries. Write for list and prices.

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Crowing and Importing of

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Our Specialty. Correspondence Solicited.

LAGER & HURRELL, - Summit, N. J. Mention American Florist.

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IN ANY QUANTITY.

Palms, Pandanus and Araucarias

JOHN SCOTT, Keap Street Greenhouses, BROOKLYN, N. Y.

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LARGEST Growers of Palms, Orchids, Stove and Greenhouse plants, Ferns, Araucarias, Paudanus, New wholesale price list will be ready March 20th.

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

MOST magnificent bedding and decorative plant known. Equal to a palm in beauty and manner of growth; grows with the ease of the Ricinus and endures drought with impunity. Plan s from 4-in. pots set out June 1st attained a height of 10 feet and though not watered once, remained fresh and vigorous throughout the extreme drought. Also produces a delicious fruit; as easily grown as a tomato. Our plants are propagated from a tree which has produced this winter 192 lbs. of fruit, the largest weighing 12 lbs. Send for half-tone illustration from photo showing bed of these plants. Every florist needs it. Price \$2.25 per 12 for 3-in, pots, ready May 1st. We are headquarters for tropical plants. Send for list.

Martin Benson, ILLINOIS. DONGOLA,

## LARGE FOLIAGE PLANTS

Areca Lute-cens, 8-inch, \$2,00; 9-inch, \$3,00 each, Latania Borbonica, 8-inch, \$2,00; 9-inch, \$3,00; 10-inch, \$4,00, and 12-inch, \$5,00 each, Pandanus Vettehit, 6-inch, \$1,00; 7-inch, \$1,50; 8-inch, \$2,00, and 10-inch, \$4,00 each.

COOD STOCK. JOHN WELSH YOUNG, - Germantown, Pa.

tems, small size, \$12 50 per 100 lbs Stems, larger " 10.00 per 100 lbs.

J. L. SCHILLER, 404 E. 34th St., NEW YORK.

# | Single separate colors...\$3,00 | Per 1000 
J. L. SCHILLER, 404 E. 34th St., NEW YORK, Sole Agent for Louis V. Driessche, Ghent.



J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY. Cypripedium Garrett A. Hobart.

NEW HYBRID.

Cypripedium Lathamianum X C. insigne Chantini. Foliage deep glossy green, spotted and streaked at the base and partaking much of the character of C. villosum. Scape stout, greenish of C. vinosum. Scape scout, greenish brown, very hirsute; flower very large, dorsal sepal entirely white save a small yellowish green base, and fifteen well defined lines of large lilac purple spots which spread outward from the base, recurving crescent-like toward the top, having a decidedly pretty effect on the pure white field, which is enhanced by a broad border of snowy white. In

place of the median line which is in Lathamianum, there is here a commingling of large spots and blotches, lateral sepals crystal green tipped with white and very broad, petals yellow, veined with bronze, sparsely spotted at base, very broad, recurving as in C. villosum, lip shining orange bronze with a yellow band round the orifice, staminode yellow with a conspicuous and very rich egg yolk colored base. This is a noble flower in its proportions, and quite fascinating to look upon, the blooms appearing together. Mr. Roebling desires it named as above in compliment to Vice-president Hobart.

HENRY T. CLINKABERRY.

MOUNT GREENWOOD, 11.1.

MOUNT GREENWOOD, ILL.

MR. FRED BREITMEYER,
Mt. Clemens, Mich.,
DEAR SIR'—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted cally the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing, also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care.

Yours truly, C. W. JOHNSON.

H DALE, Cut Flower Grower, Brampton, Ontario,

MESSRS, J. BREITMEYER A SONS,
Mt. Clemens, Mich.,
Gents.—The plants of Cerise Queen which you sent me last spring for trail have done well; the flower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year
Your truly.—H. DALE.

DAILLEDOUZE BROS

DAILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.
JOHN BREITMEYER & SONS.
Mt. Clemens, Mich..
GENTS:—We have a few plants of your No. 16,
Cerise Queen. on trial; the flower is medium size,
but fine color, in fact the only fault we find is its
dwarf habit; we should like to grow some for side
benches, as we believe it far superior to Tidal Wave
for that purpose, and should make a commercial
variety, but not high priced. Please give us your
best price on 1000 rooted entitings.

Very truly yours,

DAILLEDOUZE BROS.

GEO, A. RACKHAM, Wholesale Grower, Detroit, Mich.

DETROIT, MICH.

J. BREITMEYER & SONS,
Mt. Clemens, Mich..

DEARSIRS:-In reply to yours asking as to my success with your No. 16, Cerise Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.

Yours, GLO, A. RACKHAM.

We predict CERISE QUEEN is the coming Dark Pink Commercial Carnation. Orders booked and filled in rotation. Price, \$2 per doz.; \$10 per 100; \$75 per 1000. Mexor Plugree—the best of all yellows. Buy your stock from the Originators. Our stock is in excellent condition; \$5 per 100; \$40 per 1000, R. C.

JOHN BREITMEYER & SONS, Cor. Gratiot and Miami Aves DETROIT, MICH.

Flora Hill CARNATION It sells because there is nothing in sight to at all equal it. It speaks for itself wherever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40,00 per 1000.

Our trade list is issued. If you have not received one send for it.

E. G. HILL & CO., = Richmond, Ind.

|                    | Per 100 | Per 1000 |
|--------------------|---------|----------|
| Flora Hill         | \$ 5.00 | \$40     |
| Evelina            | 10.00   | 7        |
| Mrs. Frances Joost |         |          |
| Empress            | 10.00   |          |
| Jubilee            | 3.50    |          |
| Painted Lady       | . 10.00 |          |
| Meteor             | . 1.50  |          |
| Mangold            | 3.00    |          |
| Bridesmaid         | 1.50    |          |
| Pingree            | 5.00    |          |
| Victor             | 4.00    |          |
| Alaska             | 1.50    | \$12     |
| Scott              | 1.50    | 12       |
| Triumph            | 2.50    |          |
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| 25 at 100 Rat      |         |          |

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\$3.50 per doz.; \$25.00 per 100.

SAMPLE OF LETTERS RECE'VED DAILY.

PERTH, ONTARIO, CANADA. March IO, '98,

H. F. LITTLEFIELD.

DEAR SIR: The csrnation cuttings arrived lo first class condition I must say they were floe healthy cuttings. Thanks for attention you paid in packing.

Yours truly, Thos. GOUGH.

## H. F. LITTLEFIELD.

WORCESTER, MASS.

## NATHAN SMITH & SON

Wholesale Florists

Specialties & ADRIAN, MICH.

**CHRYSANTEMUMS** CARNATIONS .\*.\*.\* AND VIOLETS.

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Order now and get stock which will make GOOD plants by the fall. 91 points at the recent Convention C.S.A.

\$2.00 per doz.; \$10.00 per 100; \$75.00 per 1000.

Stollery Bros.

ARGYLE PARK.

CHICAGO.

### Buffalo.

The Florists' Club held its annual meeting on Thursday evening and elected officers for the coming year. The voting officers for the coming year. The voting resulted as follows: For president, Wm. Scott; vice-president, Wm. Beuchi; secretary, Wm. Legg; financial secretary, Phillip Scott; treasurer, W. F. Kasting; executive committee, John F. Cowell, D. B. Long, A. H. Wise, W. A. Adams, S. A. Anderson.

It seemed to be the unanimous opinion of the members present that a flower show should be held this fall, and it was so decided. The executive committee will proceed to arrange the preliminaries and

report at the next meeting.

After the business meeting adjourned the members of the club and their friends proceeded to the Hotel Ontario, where the annual banquet was served. Of course the decorations were most artistic and the tables were groaning under the weight of the roses sent by Peter Crowe, of Utica. Wm. Scott acted as toastmaster, and his ability in that line is too well known to need any comment here—suffice it to say that he was, on this occasion, at his best. Everybody had something to say, and had no difficulty in saying it and it was really late before "Auld Lang Syne" was sung, and the usual benedic-tion pronounced. Among the visitors present were Mr. Max Beatus, of Cleveland, Mr. Henry Niemeyer, of Erie, and Mr. E. B. Sage, of Redrock, Pa.

Where was George Fancourt? The weather continues really spring-like, robins, bluebirds, song sparrows, meadow-larks, blackbirds, etc., are with us and crocuses, scillas, eranthis, violas, etc., are blooming in the borders, and the white maple, alder and willow are in full blossom.

Callers during the week were, Walter Mott, and D. MacRorie.

<sub>g</sub>e ee e THE BEST OF THE NEW PINK CARNATIONS

## Mrs. Frances

A WINNER EVERYWHERE.

\$2.00 per dozen; \$10.00 per 100; \$75.00 per 1000 Cash with order.

C. BESOLD, Mineola, L. I., N. Y. n Verererererererererere

### Experiences

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# **CARNATIONS**

The next number ready March I. will be cultural as we'l as descriptive, and sent free to all applicants. I Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Triumph.

ALBERT M. HERR,

.... LANCASTER, PA.  $\widehat{A}$   $\widehat{m}$   $\widehat{m}$ 

It will be better for everybody if you mention the American Florist when writing advertisers on this page.

## NEW GARNATION

## "Mrs.S.A. Northway"

A soft shell pink, developing to nearly pure white.

### OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked now and filled in rotation....

PRICE: PER 100, \$10.00.

## Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2<sup>1</sup>4-inch pots, \$5.00 per 100% & & ROOTED CUTTINGS, \$3.00 per 100; \$25.00 per 1000. Net cash. & & &

### GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 21/4-in. pots, named. \$25 per 1000; unnamed, \$20 per 1000. ROOTED CUTTING, \$12.50 per 1000. Net cash. & & & & & &

## Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, \$3 per 100. 3 3 3

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Make the following statement to the readers of the American Florist&&&&&

> As originators and introducers of

"Silver Spray,"

"Tidal Wave,"

"Daybreak,"

and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

### "Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.

It is free from rust or disease. It is a profuse bloomer.

It has excedingly strong stiff stems.

It is of exquisite form full and double.

The flower is high built. petals serrated.

The calyx does not burst.

It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants.

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PRICE LIST of rooted cuttings of New Carnation

| 1  | doze | n or  | up, prepaid | l by ma | il or exp | ress      |        |
|----|------|-------|-------------|---------|-----------|-----------|--------|
|    | 25 ( | or up | (to 100) "  | 66      | •         | ' 10 00 p | r 100  |
|    | 100  | "     | purchaser   | paying  | charges   | 8.00 p    | r 100  |
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| 1, | 000  | 44    | 66          | 44      | 66        |           | r 1000 |

Descriptive illustrated and priced circular free.

DAN'L B. LONG. Sales Agent, Buffalo, N. Y.

# Kathleen Pantlind

Is a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Vaughan, McKeller & Winterson's every Wednesday and Saturday.

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Kathleen Pantlind.

Premium—5 Red Wave with every 100 HOPP & LEMKE. Paul P. O., E. GRAND RAPIDS, MICH.

### Beetles.

ED. AM. FLORIST: Enclosed find specimen of an insect that is very trouble-some in my greenhouses. It comes out of the ground in the morning and alights on the window sashes where it stays until sundown, when it goes into the ground again. I have tried fumigating with tobacco and nicotine, but it has not proved successful. Please let me know through the columns of your paper what these insects are and how they can be exterminated.

E. R. Lowe.

I have your letter of March 8, with accompanying beetles, which one of your subscribers states come out of the ground in the morning and alight on the glass of his greenhouse. The insect which you send is one of the smaller dung beetles of the family Scarabæidæ and known to science as Aphodius granarius. It is an imported insect, having been brought to this country from Europe many years ago, and is, so far as we know, not in any way injurious. There is, it must be admitted, one record of injuries by this species to the seed of grain in the earth, but this is probably an extremely exceptional case. Everything considered, I would advise your correspondent not to worry about the insect, as in time it will probably disappear.

L. O. Howard, Entomologist.

## 20,000 CHRYSANTHEMUMS.

2\circle pots.

Major Bonnaffon, \$2 (0 per 100 or \$15 00 per 1000; President Smith, Eda Prass, \$1.50 per 100 or \$12 00 per 1000; Ceraniume—the best mixed warlettes for bedding, \$\frac{1}{2}\circle pots, showing buds \$2.50 per 100 or \$15 (0) per 1000; 2\circle pots, \$2.50 per 100 or \$15.00 per 1000. Cash with order or satisfactory reference.

PAXTON GREENHOUSES, Harrisburg, Pa. C. E. Taube, Prop.

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WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefy (Hancock), Psyche (Hill), Painted Lady (Hill), and Mrs. S. A. Northway (Simmons).

All good 1887 novelties and other standard varieties at reasonable prices.

### New Chrysanthemums.

MRS. C. II. PEIRCE—Yellow.

3 ic each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

500 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Sciel for Descriptive Price List. Ready January, 1998.

### F. DORNER & SONS CO. LAFAYETTE, IND.

STRONG, HEALTHY ROOTED CUITINGS Ready Feb. 1st and Later

In M. W. W. H. Hi Daybreak Win Service W. Gerrari, i. f. in verspray Limity Per Goodneh I levels and others. Send me at distant on action 2st prices before the results of another set of communications.

### CHAS. CHADWICK.

GRAND RAPIDS, MICH. Lock Box II.

## New CARNATIONS

FOR SPRING OF '98 NOW READY.

EVELINA, per 1000. \$80. MRS. S. A. NORTHWAY.

WHITE CLOUD. ARGYLE.

GOLD NUGGET. BON TON.

Price for strong, well-rooted cuttings, per doz., \$2.00; per 100, \$10.00; per 1000, \$75.00.

### VARIETIES OF 1897

VICTOR

### STANDARD VARIETIES

ALASKA.....

DAYBREAK Transplanted plants from flats, per doz., 30c; per WILLIAM SCOTT 100, \$2; per 1000, \$15.

CALADIUMS, Fancy Leaved, choice bulbs in named sorts, per doz., 75c; per 100, \$12.00.

### VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay St.

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### ARNATIONS! UP-TO-DATE

No one can afford to grow poor varieties, or poor stock of good varieties. We have as fine a stock as can be found of all the Novelties and Standard Sorts and they are **Ready Now.** Do not delay, order now while stock is complete. Catalogue and samples on application.

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will be paid for any RUST found in our Carnations. All pure and healthy. Throw out that old RUSTY Stock, begin anew with clean stock. WE HAVE NICE PLANTS IN 2-INCH POTS.

| Stuart                     |            |
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| Goldfløch                  |            |
| Albertini                  | 200 9.2    |
| Bridesmald.<br>Uncle John. |            |
| Uncle John                 | 1000 18.00 |
| Storm King                 |            |
| Daybreak                   |            |
| William Scott              |            |
|                            |            |

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| All the Leading Carnations Now Ready, 3       | 2e | r 100  |
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| Geraniums named our selection only, 214-in    |    | \$2.00 |
| Salvias, Clara Bedman, 24-in                  |    | 2.00   |
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| Alternanthera Aurea Nana and P. Major, 214-10 | 1  | -2.00  |

THE MORRIS FLORAL CO., Morris, III.

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The Gardenia Carnation.

Plants Now Ready 3 \$10,00 per 100 00.00 per 1000

JOHN BURTON, PHILADELPHIA, PA. Chestnut Hill.

### 50,000 Flat-Grown GARNATIONS

| STRONC STOCK.                       | per 100 | per 1000 |
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| Daybreak                            | \$2.00  | £15 ti0  |
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Cash with order. HENRY A NIEMEYER, Erie, Pa.

## CARNATION

STRONG ROOTED CUITINGS

... \$7.50 per 1000 ... 6,50 per 1000 Lastehance Cash with order, this no will not appear again.

Lake Geneva Floral Co., LAKE GENEVA.

## CARNATIONS.

Rooted Cuttings I have aline stock of this peerless variety also most of the leading standard sorts

MARIE FOLISE rooted runners at special low rates, Write for priors - Will exchange for fruit

W. W. COLES, -Kokomo, Ind.

### CARNATIONS **Rooted Cuttings**

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|     | Daybreak\$1<br>Lizzie McGowan | .25         |
|     |                               | . 10<br>.75 |
| - 1 |                               | .75         |
|     | Brides                        |             |
| 40  | Pridomaida                    |             |

ROSES 2-in. Pots.... Bridesmaids Vinea Major, 2-in. pots @ \$2.00 per 100.

R. ROY DAVIS, - Morrison, 111.

**NEW CARNATION....** 

The largest, bright rich crimson yet introduced...

## **Empress**

Send for price list of above, New and Standard Sorts....

WM. SWAYNE, Box 226, Kennett Square, Pa.

### REDUCED PRICES

- Very Line Rooted-

# **Carnation Cuttings**

laken from our "Prize" Stock.

ALBERTINI McCOWAN ALASKA HELEN KELLER ARMAZINDY DAYBREAK

\$2 00 per 100; \$15 00 per 1000.

SOUTH PARK FLORAL CO., New Castle, Ind.

## ROOTED CUTTINGS

|                |      |     |        |      |       | _      |      |
|----------------|------|-----|--------|------|-------|--------|------|
| Armazinds      |      |     |        | <br> |       | 50 per | 100  |
| Mrs Fisher, 🤧  | (N)  | per | TINNI, |      | <br>1 | DO per | 100  |
| Wm. Scott ±10  | 1)() | per | TORRI, |      | <br>1 | 10 jer | 100  |
| Sweet Alyssum. |      |     |        | <br> | <br>  | 75 per | .100 |

UASH WITH ORDER.

FRANK W. POORE, - Haverhill, Mass.

### WEST ISLIP GREENHOUSES.

CARNATIONS. Rooted Unitings
Scott, Porlin, McGowan, 81 to per 100 - 8800 per 1000.
Daybrenk, 41 - 40 per 100 - Milved Germiliums, from
tata, strong pilonts 81600 per 1000. Milved Chanima,
dry roots of the Indiowing sorts - Alphonso Bonvier,
Mmc, Croy, Clins, Henderson, Queen Charlotte, Burbank, John White, etc., 82/0 per 100 - Cash with order,

E. B. SUTTON, Jr., Babylon, L. I.

## **5000 GARDENIA FLORIDA**

-3-inch pots, 8 10 inches bigh, \$8 per 100; \$70 per 1000. 25 000 Cannas, dermant roots, in 20 hest sorts, \$20 per 1000.

Lacania Borbonica, 4-Inch pots, 1-2 choica leaves, 12-15 lc., \$15 per 100. Latanla Borbonica, 4-loch pots, 2-3 choice leaves,

15-18 in., \$20 per 100.

Phoenix Reclinaia, 4 inch pota, 12-15 in., \$15 per 100. Phoenix Reclinata, 4-inch pota, 15-18 in., \$25 per 100. Oranges, heat sorts, grafted, 4-inch pots, 10-12 in., \$20 per 100; 5-loch pets, 18-20 la., \$30 per 100.

P. J. BERCKMANS, Augusta, Ga.

out of 21/2-inch Pots; good strain; strong plants ready for cutting, \$2 50 per 100. Cash with order.

ED. QUINN, Springfield, Mo.

## GERANIUMS that will please you and prices that will suit you

S. A. Nutt, LaFavorito, Heteranthe, \$2.50 per 100; \$20.00 per 1000; Beaute Poitevine, Mary Hill, \$3.00 per 100; Mme. Bruant, Frances Perkins, \$5.00 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Agenatus. Prices upon application. Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

## GERANIUMS.

Extra strong and robust plants in bud, 312-inch pots. Double Grant. Nutt, and finest varieties to be had, \$3.50 per 100; extras added. Adams and U. S. express. Order early.

JOHN F. RUPP, Shiremanstown, Pa.

## Vinca Variegata...

ROOTED CUTTINGS unde last fall, \$1.50 per 100; 3½-inch pots, \$3.50 per 100; or will evelange for some rooted cuttings of Double Petunia, Fuchsias, two year old; La France, Beauties and Mme.

GUST. OBERMEYER, Parkersburg, W. Va.

The Cottage Gardens ->- OUEENS. L.I.

Specialties in CARNATIONS. CHRYSANTHEMUMS. (CHOORS, GERADIUMS, DAHLIAS, SEND FOR OUR PRICE LIST

PANSIES
THE JENNINGS STRAIN.
THEY ARE GRAND.
Fine stocky plants in bud
and bloom, \$10 and \$15 per
to by mail. Pansy seed, \$1.00 per pkt. Aster
seed, Semple's pink, \$1 00 per oz. Cash with order.

E. B. JENNINGS,

SOUTHPORT, CONN. Lock Box 254. Crower of the Finest Pansies.

### MARCH OFFER

JOS. H. CUNNINGHAM, - Delaware, Ohio.

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## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cultings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Onr plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

### \*\*\*VERBENAS.

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass. Strong rooted cuttings, 60e per hundred; \$5.00 per thousand; five thousand, \$20.00. New Yellow Marguerite finest variety, strong 2-in, pot plants, 3e; rooted cuttings, 2e.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

# Rooted Cuttings CARNATIONS And Other Stock

DOUBLE HOLLYHOCKS

Fine plants, one-year-old. Pansies, Verbenas, &c. Send for Price List.

W. PIKE. ST. CHARLES, ILL.

## GREEN AS GRASS.

MAMMOTH VERBENAS

Fine selected stock in separate colors. Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

### AZALEA INDICA

We have an immense stock of all the best varieties; well set with buds; large plants, 12 to 15-inch, \$6.00 per doz.; \$45 per 100.

### **PANSIES**

We grow over a million from the choicest seed of Bugnot. Cassier. Odier and Tri-mardeau: transplanted in cold frames; 60e per 100; \$4.00 per 1000.

### HARRISII LILIES

In bud, guaranteed right for Easter; 10c per bud.

### CINERARIAS

In bud and bloom, \$1.00 per doz.

| ROOTED CUTTINGS 100                        | 1000   |
|--------------------------------------------|--------|
| Mammoth Verbenas \$ .70                    | \$5,50 |
| Double Petunia 1.00                        |        |
| Heliotrope                                 |        |
| Ageratum                                   |        |
| Double Golden Dwarf Marguerite, \$1.00 per | 100.   |

PLANTS 214-inch.

### WHITTON & SONS.

Wholesale Florists,

UTICA, N. Y. City and Creen Sts., -

## FAXON'S "WHITE" PANSIES.

The best mixture in cultivation, flowers very tree, thick and velvety; of superb colors and tarkings. The perfection of form and texture. markings.

In Trade Packets at \$1.00 each.

M. B. FAXON,

1528. BOSTON, MASS. Correspondence solicited. Lock Box 1528,

## SPECIALTIES IN BEST VARIETIES.

ROSES, from 3-inch pets.

CARNATIONS, for fall delivery. CHRYSANTHEMUMS, SMILAX,

VIOLETS. Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

CLEMATIS Jackmanni, Henryli doz. 100 and others......\$3.00 \$20.00

H. P. ROSES Strong, 2 and 3 years own roots. \$1.50 \$10.00 RED JACKET GOOSEBERRY, only large

DOWNING, best for general crop, special

F. A. BALLER, Bloomington, III.

### KLONDIKE

Cold Fields at Your Door.

Cold Fields at Your Door.

COLEUS—All kinds, all grades and all prices.
Verschaffeltil and Queen. 75c per 100: \$8.00 per 1000; 25c-inch pota. \$15 00 per 1000; \$1.75 per 100. Coleux in variety, 55c per 100; 24 50 per 1000; \$1.50 per 100. \$12 00 per 1000; \$1.50 per 100. Agratum dwarf blue. 60c per 100; \$3.00 per 1000. Fuchsias, atandard sorta. \$12 00 per 1000; \$1.50 per 100. Double Petunias. extra fine atrain for flats. \$1.50 per 100. S12.00 per 1000. Anthemis Coronaria. Goiden Marquerite. \$1.50 per 100: \$12.00 per 100. Salvia splendens, \$1.00 per 100. Vinca variegata, \$1.50 per 100; \$1.00 per 100. Salvia splendens, \$1.00 per 100. Heliotrope. 6 varieties. \$1.00 per 100; \$1.00 per 100; \$1.00 per 100. Alternathera Paronychioldes. Major and Aurea Nana. 60c per 100. Heliotrope. 6 varieties. \$1.00 per 100; \$1.00 per 100. Shot per 100. Sh

J. E. FELTHOUSEN, Schenectady, N. Y.

## **CARNATIONS** AND COLEUS

### ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.

ROOTED COLEUS in variety.

Cood stock only. Price list free.

DAN'L B. LONG, Growers' Agent, BUFFALO.

### 5,000 SMILAX...

From flats, by mall, 50c per 180, \$4.00 per 1000 From 2-Inch pots, \$2.25 per 100, \$13.00 per 1000 Gerantums from 2-Inch pots, \$2.25 per 100; \$20.00 per 1000. Cash with the order. Send for aamples. Fred Boerner, CAPE MAY CITY, N.J.

### Marie Louise Violet Runner*s*

Good plants, healthy stock, \$5.00 per 1000,

A. WASHBURN & SON BLOOMINGTON, ILL.

## LETTUCE AND OTHER... VEGETABLE PLANTS

LETTUCE-Big Boston, Boston Market, Tenn.; Ball, Grand Rapids and Reichner's Forcing. 15 etc. per 100; \$1,00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. 15 cts. per 100;

81 00 per 1000. Pepperand Egg Plaots—25 cts per 100; \$2,00 per 1000. CAULIFLOWER, Snowbail-35 cts per 100; \$2.5 per 1000; If by mall add 10 cts per 100 for small plants, and 50 cts. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md. Mantion American Florist.

### Worcester, Mass.

Although Lent has been responsible for some falling off in trade, it was not felt as much as was anticipated. There has been no surplus to speak of; and though business is not brisk florists are doing something most of the time.

Lilies will not be plentiful in this vicinity for Easter, though it has been an exceptionally easy season to get them in on time. The shortage can be laid almost wholly to the lily disease, which has made sad inroads on the stock of some growers. One whom I visited today has thrown out about 800 pots, and there are a good many left that have the same fate in store for them.

It is becoming a difficult matter to hold azaleas for Easter with the thermometer outside registering 65°, and most of the azaleas will be numbered among the "has beens" by the time Easter gets around.

Of other stock there will be a goodly quantity. I should say more perhaps than usual. There is a large crop of roses and carnations in sight; and bulbous stock, There is a large crop of roses and like the poor, is always with us,

Hot weather is playing havoe with the violets inside, but some growers are getting good blooms from the frames out-

doors.

Fisher & Son have been leased out of their present location, and have secured a commodious store a few doors south of A. H. L. their present location.

### Fort Wayne, Ind.

Mr. Vesey's seedling carnation Fort Wayne, which he is likely to put on the market next season, is unquestionably one of the best red ones 1 have yet seen, both flower and stem being perfect; the average size of the flower, by actual measurement, being three inches in diam-A houseful of this variety presents a sight well worth seeing. As to Mr. Vesey's general stock, including both his roses and carnations—superbis the word.

At Miss Flick's greenhouses, but a short distance from Vescy's place, the sight was equally attractive. Jubilee, Scott, and Mrs. Geo. Bradt looked fine. Albertini, however, is an especial favorite with Miss Flick. Besides the varieties mentioned and a few other standard sorts, Miss Flick is experimenting upon two seedlings, one white, being a cross between Uncle John and Daybreak, and the other one, a pretty rose pink, is a cross between Uncle John and Bridesmaid.

Mr. Vesey contemplates adding six good sized, well equipped houses to his own plant. "How do you find the greenhouse insurance business?" I ventured to Vesey contemplates adding six

"Quite encouraging, indeed, and the more so because our plan seems to be gaming more and more favor." Homo,

## Special Easter Number

T'III. . ie of the American APRIL 2 A. . be the unding Easter or Spring Num-ber and by to be sent to all the new names other rod for the 1888 Directory

Peacock's 26 First Prizes out of 39 entries in 1896 and 1897 Prize Winning Dahlias



### IMPORTERS

### JAPANESE PLANTS. BULBS, ETC.

At lowest prices. Small orders filled from experimental garden Columbia Road, Dorchester, Mass. Wholesale catalogue, 1898 free to the trade.

### JAPANESE NURSERY,

Office: 272 Boylston St., .

BOSTON, MASS.



Field-Grown Roots in all the Leading Varieties \$5.00 to \$7.00 per 100.

### 30,000 DAHLIAS

Before ordering your Dahlla stock be sure and send for my catalogue of noveitles and atandards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist, Box 382, Denver, Colo.

# Chrysanthemums for 1898

Alice F. Carey, Chempwec, Dolores, Minnewaska, Miss Gladys Vanderbilt, Robt. G. Carey, Spotswood.

All good commercial varieties at \$3 50 per doz.; \$25.00 per 100. Also all the new varieties of other raisers at advertised prices. And all the best Standard Varieties of former years for all purposes at prices to suit the times.

JOHN N. MAY, Summit, New Jersey.

## Two Great Sports

**CARNATION** 

VICTOR

Undoubtedly the best Pink Carnation in commerce and certainly the most prollife bloomer, perfectly healthy and of vigorous growth. Rooted cuttings now ready. \$4.00 per 100; \$3.00 per 100. Cune and see this carnation growing.

**CHRYSANTHEMUM** PENNSYLVANIA

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, \$5.00 per doz.; \$55.00 per 100; \$250.00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

Mention this paper.

"IBOSS" Chrysanthemums WM. H. CHADWICK—the grandest white novelty of the season. THE YELLOW FELLOW —Winner of \$100 Stearns bleyele prize. MADELINE PRATT—"As pretty as her picture."

Distributed March 1st by leading firms and the grower...... Grove P. Rawson, Elmira, N. Y.

# Jardinieres, Pots@Pedestals



Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations

W. P. PEACOSK, - Atco, N. J. BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

Provo, UTAH.—The articles of incorporation of the Nebo Nursery Company have been filed for record. The nursery will be located on the land lately brought into cultivation by the construction of the Nebo canal. Forty thousand young trees have been purchased by the company and will be replanted as soon as the weather permits.

Toledo, Iowa.-The contract for planting the trees and shrubbery at the Indian school has been let to M. L. Tibbetts, of the Toledo nursery.

## Down to War Prices...

Tuberose Pearl, 4 to 6 inches, per 1000...\$5.00
Spirae Japonica clumps, per 100.....3.00
Iris Germanica, fine field roots, mixed, per 1000......8.00
Iris Kæmpferi, fine field roots, mixed, per 1000......8.00

Send cash with orders.

### HULSEBOSCH BROS.

ENGLEWOOD, N. J.

A NEW departure in Tuberose growth.

A New departure in Tuberose growth.

Flower bearing birds continue to form around the old flower stock indefinitely.

Flowers greatly superior to those of all other single Tuberoses. A warded Certificate of Merit by the S. A. F. at Providence last Angust, and the Shaw Gold Medal at St. Louis in November.

For Prices and Particulars ...Address...

LUTHER ARMSTRONG,

3720 Olive St., ST. LOUIS MO.

For FLORISTS.. For SEEDSMEN.

VAN ZANTEN BROTHERS,

HILLEGOM,

HOLLAND.



## Gladiolus Bulbs FOR FLORISTS.

WE HAVE THEM! WE HAVE THEM!

> Columbian Medal. S. A. F. Certificate of Merit. First prizes wherever shown. Cushman's Celebrated Seedlings. A light mixture. No. 1, \$1.25 per 100; \$10.00 per 1000. No. 2, \$1.00 per 100, \$8.00 per 1000. Our No. 2 are fine bulbs, 1½-in. and over.

Euclid, O. CUSHMAN GLADIOLUS CO.,

# **SPRING**

AURATUM.



L. RUBRUM (Speciosum) 60.00

LILIUM ALBUM (Speciosum) Per 100 Per 1000 7-9 inch. 6.50 9-11 inch. 7.50  $55.00 \\ 65.00$ 

30.00

TUBEROSES....

True Excelsior Pearl.
"Hallock strain" First size..... 1.00 7.50

GLOXINIAS ..... Per doz., 85c; per 100, \$5.00

CALADIUMS.....

Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00.

### **CALADIUM ESCULENTUM**

Cured and sound bulbs with live center
Doz. 100 

### **GLADIOLUS XXX Florists Mixture**

Per 100.....\$1.75 Per 1000.....\$15.00

### **VAUGHAN'S SEED STORE**

NEW YORK 14 Barclay St. CHICACO 84-86 Randolph St.

## CANNAS NEW AMERICAN Finest in the World Our Novelties for 1898

### OUR CANNAS IN FRANCE.

To Mesers. A. Blanc & Co.
Your new cannas of last year gave me much
satisfaction. Please send me a complete set of
your novelties for 1898 as soon as ready. Also 12
Glant Crimson, etc.
Signed CH. MOLIN,
Lyon, France, Jan. 3, 188.

### ASPARAGUS SPRENGERI

Fine plants in 6-inch pots, ready for 8-inch, \$5 per 12.

AMARYLLIS.....
Veitch's Hybrids. \$4 per 12; Equestra, \$4 per 100; Formoslesima, \$3 per 100.

CALLAS

Spotted Leaf, \$3; Black, \$5; Yellow, \$30; all per 100. Golden, \$2 each.

DAHLIAS

11 prizes out of 22 at the last Dahlia exhibition. First prize Dahlia, GILT EDGE, \$15 per 100 Send for special fist.

A. BLANC & CO., Philadelphia, Pa.



# Cablegram

## <sup>7</sup>okohama

WE received the above Cablegram from our Yokohama house stating that again we control the largest part of Lilium longillorum for next season. Prices will be quoted upon arrival

### SUZUKI & IIDA,

No. 15 Broadway. NEW YORK.

No. 3 Nakamura. YOKOHAMA, JAPAN.

It is good business policy to mention the American Florist when you write to our advertisers.

# 100,000 CANNAS

THE STORRS & HARRISON CO., Painesville,

### Cleveland.

WARM WEATHER, -- SMALL WAR ON PRICES. NOTES ON EASTER STOCK.—VISITORS,

The long continued and rather unseasonable warm spell that we have been having has begun to affect the supply of stock coming in, although the quality has not at all deteriorated. Lenten duliness, too, contributes its share toward diminishing the demand. About the only striking result so far developed by the situation has been a small war of prices on carnations and tulips between a couple of stores on Erie street. Things got lively enough to reduce prices to 15 cents a dozen for carnations and 25 cents for tulips, rates highly satisfactory to the buyer no doubt, however they may suit others.

Easter stock is beginning to be somewhat discussed, although the length of time still to elapse precludes anything very definite in the way of information, especially in cut flowers. There promises to be the usual supply of everything, with apparently an increase in the stock of azaleas offered. In some eases these are showing a tendency toward undue earliness that threatens to prove disastrous to the owner's chances for holding them until Easter. Aside from azaleas, blies occupy a prominent place in every florist's calculations for Easter stock. It would seem that, owing to the rayages of disease, there will be less of these in the hands of a good many growers than has been the ease for some years previous. Some of the batches on hand look rather late as well as showing considerable disease, nevertheless, the sources of supply being so varied, there may be no shortage to amount to anything. Other stock looks about the same as in other years, even to hydrangeas, which are as usual rather tardy in many cases. Bulb stock of all kinds is still outside, so that it is not easy to tell just what may be offered.

Messrs, Graham and Cushman left Washington, afternoon for Monday.

where they attend the Society of American Florists' Executive Committee meet-

The regular club meeting brought out a good attendance Monday night, but as there was little or no business to transact

the time was put in at ten-pins and eards. In town lately were Messrs, Joseph Rolker, MacRorie and Van Lieuwen, representing respectively A. Rolker & Sons, W. A. Manda and Beerhorst & Van Lieuwen.

### NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from  $2\frac{7}{2}$ -inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

H. WEBER & SONS. Oakland. Md.

ROSES

Guaranteed first-class. Stock grown in low temperature.

THE E. HIPPARD CO., Youngstown, Ohio.

Also of Carnations

Send 50c for samples and prices. Fine Smilax in 2-inch pots. Geraniums in 2 and 3-inch pots,

GEO. A. KUHL. Pekin. III.

New American Rose\_

### MRS. ROBERT GARRETT

As one of the syndicate boildog stock to this rose we offer first class plants, from 25-inch pots, to be de-livered on and after March 15, 188, at the agreed price of \$3.50 per doz., \$25.00 per 100, \$225.00 per 1000.

AMERICAN ROSE CO.

### YOUNG ROSES 300,000 300.000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Wootton, Pres. Carnot and too other leaders in Teas, H. Teas and Climbers.

Send for prices.

The National Plant Company, Dayton, Ohio.

### CUTTINGS ...ROOTED

No scrub wood used. All stock thoroughly rooted and From 21/2-Inch Puts carefully packed when sent out. Send for samples... Per 100 Per 1000 Per 100 Per 1000 AMERICAN BEAUTIES, Rooted Cuttings, \$2.50
BRIDES. 1.50
BRIDESMAID. 1.50
METEOR. 1.50 \$22.00.... ....\$4.00 \$35.00 12.50 12.50 12.50 20.00 12.50.

Terms cash with order. Plants from 21/2-inch pots ready now

J. A. BUDLONG.

STATION X. CHICAGO. ILL.



# The Easter Number..

OF THE AMERICAN FLORIST . . . . . ISSUED

APRIL 2

Send us a *s*easonable adv. early and we will give it a Pulling Display.

Will be mailed to all names in the New Directory Florists, Seedsmen, Nurserymen, Parks, Cemeteries.

بى بى بى WILL REACH بى بى بى

EVERY ONE OF THEM—OVER 13,000



### Indianapolis.

Business continues good, the influence of Lent being felt less than in former years. Good roses and carnations are not too plentiful in this city. There is an abundance of fine violets, however, and much to the regret of growers, they are less in demand than during Lent in former

The Florists' Club held a well attended meeting March 1, at which E. A. Parker read a paper, prepared by Mr. Haugh of Anderson. Mr. Haugh made commenda-ble suggestions as to how florists' places should be kept. He thinks that neat and clean outside appearance of a place, with well kept lawns and some choice flower beds, smooth walks and nicely painted houses, is a paying advertisement for the business. The inside, too, should be in harmony with the outside. The paper also stated that the florist in order to be successful, could not afford to devote part of his time to some sport. This brought forth emphatic objections from several members, especially from our florist fishermen, and a humorous dispute on the subject resulted.

Mr. Hatfield tried in vain to have a resolution passed that the reading of Mr. Haugh's paper should be repeated at every meeting until all members had complied with suggestions made.

H. W. Rieman exhibited some fine roscs; Mr. Schreiber, of the Bertermann Floral Co., showed some seedling carnations and a red sport of Mrs. Bradt, which looked very promising.

Frank Waidele was elected a member of the club.





Originated by M. Lynch, Menlo Park, Calif.

M. Lynch, Menlo Park, Calif.

THE BRIDE This beautiful large, white-seeded variety is the best White Sweet Pea to date. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white-seeded varieties—so often poor growers. Grown for the cut-flower market of San Francisco in competition with the other high class whites, it has brought the highest figures over them all, taking first rank among all the whites. The flowers are pure white of fine substance, large and of true grandilora type. Beside this every seed will grow. Perfect flowers were cut as early as April 16 last year. Price, per lb., \$2.00; 1-4 lb., 60c; oz., 20c; pkt., 10c.

## THIS IS THE BEST FLORISTS' WHITE TO DATE

Prof. Tracy, in a recent review of some of the newer Sweet Peas says: "The especial merit of this variety (7the Bride) is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, heling one of our best sorts in these respects, and forming an exceedingly graceful hunch."

Price, pkt. (35 seeds), 10c; ½ oz., 20c; oz., 30c.

Mr. Lynch has sent us his entire stock which we offer to the trade as above.

14 Barclay St.. NEW YORK. 84 & 86 Randolph St., CHICACO.

When writing please mention American Florist.

# **GERANIUMS**

READY FOR IMMEDIATE SHIPMENT

25,000 from 2-in. pots......\$3 00 per 100; \$25.00 per 1000 25,000 rooted cuttings....... 150 per 100; 12.50 per 1000 (Our selection of sorts.)

## **OUR LIST COMPRISES**

S. A. Nutt, Mrs. A. Blanc, Mme. Jones, Mrs. Ch. Molin, Mrs. J. M. Gaar, Marvel, W. A. Chalfant, Madonna, Rev. Atkinson, Leonard Kelway, Mrs. E. G. Hill, Comtesse de Danne, Wm. Pfitzer, La Favorite, Gloire de France, H. de Bornin, Mme. Buchner, Gettysburg, Beaute Poitevine, Comtesse de Harcourt and many others.

Alphonse Riccard, J. J. Harrison and Mme de La Roux,

IVY GERANIUMS, a fine lot of 2-in stock in 10 varieties,

at.....\$2 50 per 100

### SPECIAL OFFER:

## THE GOTTAGE GARDENS.

QUEENS, L. Y.

# CHRYSANTHEMUMS

### READY FOR IMMEDIATE DELIVERY.

Mrs. C. H. Pierce and T. H. Spaulding......35c each, \$3 50 per doz. Frank Hardy and The Yellow Fellow.......50c each, \$3.00 per doz. Pennsylvania and Snow Queen.......50c each, \$5.00 per doz.

> T. B Morse, Marcia Jones, Mrs. R. McArthur, Mrs. H. Wright, J. H. Woodford, Western King, Mrs. M. Ryerson, Elvena, Dorothy Devens and many others of last years introduction.

2-inch pots, - 75 cents per dozen, \$5.00 per 100. Rooted Cuttings, 50 cents per dozen, \$4.00 per 100.

. . . ALSO . . .

Lenawee, Maud Dean, Golden Wonder, Pride of Castlewood, Glory of Pacific, Mrs. H. Robinson, Golden Trophy, Ivory, Yellow Queen, Mrs. R. Crawford, Invincible and many others.

2-inch pots, - 50 cents per dozen, \$3.00 per 100. Rooted Cuttings, 40 cents per dozen, \$2.00 per 100.

## THE GOTTAGE GARDENS,

QUEENS, N. I.

### Some New American Cannas.

Everybody admires the grand additions to the canna family, by M. Crozy; flowers with large broad petals, full large heads and beautiful colors, but when some of the new American cannas become better known their desirable qualities and new colors will be appreciated. The following are a few striking varieties:

Klondike is a true pure orange with a glisten and sheen that cannot be described or reproduced, very large full heads with many trusses; the petals are two inches wide, rounded at the apex and incurved, foliage large and handsome. It is an early and profuse bloomer, and in the winter the flowers last a long time; one head was in bloom from the middle of becember until March 1. Whilethere are a few good orange varieties of foreign origin there is not one that approaches Klondike in size and clearness of color.

Champion is a very fine red. There are

scores of red cannas, and many are little different one from another, but this variety has several very decided characteristic features. It is immense in individual flowers, and the spikes are massive, each having four and five trusses; the petals are broad (two and one-fourth inches) and rounding. The ground color is a dazzling crimson-scarlet overlaid with a rich golden lustre, which gives the flower a

very brilliant appearance. Duchess of Marlborough is a pure pink. This is a color that has been sought after by specialists. While we have several varieties of a pink shade there is only one that is the exact shade of pure pink of Mr. Schuyler Mathew's color chart, published by the American Florist Co., and this is Duchess of Marlborough. Mile. Berat is one of the finest varieties of a pink color, but it is a darker shade than pure pink. The petals of the Duchess are pure pink. The petals of the Duchess are long and gracefully curved, making a very wide flower; each spike produces four to five trusses and each truss enormous quantities of flowers, making a very floriferous variety. The foliage is long and a bright green color. The above varieties grow to a height of four or five

feet. Duke of Marlborough is a dark velvety maroon, shading towards purplish black, the color heightened by the contrast of the bluish, metallic green foliage; compact erect spikes, branching and very floriferous. A bed of the Duke on a bright day looks almost black, the color is so velvety and rich; height three and one-half to four

Cuba is a new variety of the Queen Charlette type, which bears immense flowers of a deep chrome yellow color with a blotch of deepest vermilion covering more than half the center; obtuse petals, flowers of fine form and good substance; large branching spikes.

Lorranic is a lancy variety with bright pink petals broadly edged with creamy white which changes to white as the flower develops.

Philadelphia is one of the best bedding cannas grown to day, the bright glowing runson scarlet flowers are borne on large dense spikes, well above the bright green tohage, the flowers as they tade drop from the spake, leaving the plant clean and tresh. The growth is very even, about three and one half feet. A large bed of Philadelphia at Mr. Craig's place last sundmer was an attractive sight.

HAROLD OTTER.

### Funeral Flowers.

Verdy looking man walked into the the ser shop of Potert Pullman, 30 Colum-

bus avenue, last night, and seizing a pot of daisies, lay down on the floor and began to strew the blossoms over his hody. The proprietor ran for a policeman, and the intruder was taken to the station house. He was arraigned in the West Side Police Court this morning on a charge of disorderly conduct and intoxication. The magistrate asked him what was the matter and he said: "I wanted to be buried under the daisies."

"Five dollars for funeral expenses," said Magistrate Olmsted.—N Y Com'l Adv

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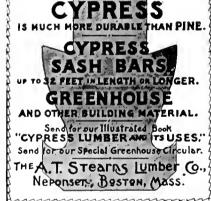
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### Los Angeles, Cal.

Southern California is to-day rejoieing in the finest rain of the year. All vegetation has been suffering for a lack of moisture. Outside the lack of rain, the weather has been all that could be desired, and everything is making rapid growth. Spring flowers are abundant and the florists have orders to use up all stock that comes in The growers are hunting up their old works on mathematics in an endeavor to hold back such stock as they can not get in for Easter, so it will be in proper condition for the Fiesta.

Mr. Jas. A. Summers, manager of the Central Park Floral Company, recently met with a bicycle accident which at first it was feared would prove fatal. Laterreports show Mr. Summers was not quite so badly injured, but he will be confined

to his bed for a week or more.

The South California Floral Company are now at home in their new store at the corner of Fourth and Spring streets, and are making a nice show of all seasonable flowers. Morris Golderson, the manager, has fitted the room nicely and is kept busy.

B. F. Collins has just completed one of the finest floral stores in the city at 339 South Spring street. Mr. Collins is well known, and now has an opportunity to display his stock to the best advantage.

E. R. Meserve, 635 Broadway, reports a very good trade in nursery stock. He has recently filled orders for 15,000 orange trees to be sent to Porterville, in the so-called northerneitrus belt.

Advices from Washington, D. C., indicate that the Secretary of Agriculture, Ilon. Jas. Wilson, will shortly visit Los Angeles. It is hoped his visit will lead to experiments that will bear practical results in advancing American horticulture.

The reports of the horticultural commissioners of Riverside county show that on an inspection of almost 1000 acres last month the average is but one tree per acre infected with scale or any other parasite.

News from surrounding counties show that extensive plantings of citrus trees are being made at Redlands and North Pomona; but demand for deciduous fruit trees is very much below the average.

On the morning of March 7 John Hannay, a pioneer nurseryman, was found dead in his bed. Death is said to have resulted from paralysis of the heart. D. R. W.

### Amount of Radiation.

ED. AM. FLORIST:—Please tell us the number of feet radiation per horse-power boiler, both steam and hot water.

As a rule it is estimated that one horse-power will takecare of one hundred square feet of steam radiation. In the smaller boilers that are not fired regularly fifteen square feet of heating surface and three-fourths, of a foot of grate surface are reckoned as equal to a horse-power, but in larger boilers the amount required is considerably less. When using hot water the amount of radiation is about 160 feet for each horse-power, or from 200 to 250 times the grate area.

1. R. Taft.

### The Blue Marguerite.

Answering A. A. P., G. C. B. and "Reader"; write to any of the seedsmen advertising in the columns of the American Florist or to the wholesale plantsmen.

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## Special Easter Number

THE issue of the American APRIL 2 will be the annual Easter or Spring Non-ber, and will be sent to all the new names obtained for the 1898 Directory.

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### Heating Queries.

ED. AM. FLORIST:-There are some questions I would like to ask through your paper in regard to heating a greenhouse 20x75 feet, even span house. How large a boiler will it take, and if a horizontal or an upright would be the best one to maintain a temperature of 65%. How many rows of pipe, and how large a pipe, will it take? D. HÜGGETT.

If the house is well built and has no glass in the side walls, from four to five square feet of grate surface, and from eighty to one hundred and twenty square ject of heating surface will be necessary to maintain a temperature of 65 . If to he heated by steam, as I infer from the question, a six-horse power upright boiler would be desirable. For radiating surface use a 212-inch main and twelve 114-inch returns For a house of this kind, however, I should prefer to use hot water and for a heater would scenre some of the east iron kinds advertised in the AMERI CAN FLORIST, that are rated to supply from 1000 to 1000 squarefeet of radiation. Of course steam boilers or box coils may be used, but they will be less durable. The heating pipes for water may be either  $11_2$  or 2-inch, the latter being preferable for the house described; about 1200 linear feet or lifteen runs being required. Some would prefer to use three 212 inch overhead flows and eleven 2-inch returns.

L. R. TAFT.

LONDON, ONT.-William Gammage, florist, of this city, lectured before the Wood stock Horticultural Society, on Tuesday, March 15.



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### Northampton, Mass.

Flowers are plentiful and the high prices of a fortnight past are no more. Roses are fine, Maids and Morgans being extra good. Carnations are not quite up to the mark yet, there being a large per-centage of split calvxes, probably due to the long spell ofdark weather last month. Bulbous stock sells very well and not much goes to waste.

In potted plants azaleas seem to have the lead, with cinerarias a close second; Asparagus Sprengerii also meets with popular favor, and a limited number of Latania rotundifolia have been much ad-

mired.

Indications for Easter point to a good

supply and of excellent quality.

April 5 and 6 are the dates for the spring exhibition, and the boys are all nursing some fine pets for that occasion.

A visit to Alex. Park's houses found everything looking well.

G. W. THORNILEY

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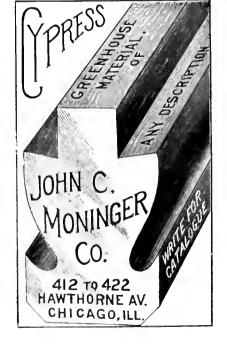
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Vol. XIII.

CHICAGO AND NEW YORK, MARCH 26, 1898.

No. 512.

### THE AMERICAN FLORIST

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## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICER-WM. F. GUDE, Washington, D. C., president: A. DONAGHUE. Omaha, Neb., vice-president: W. J. STEWART. 67 Bromfield St. Boston, Mass., secretary: H. B. BEATTY, Oll City, Pa., treasurer. The fourteenth amual meeting will be held at Omaha, Neb., August, 1898.

### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia. February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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ISHPEMING, MICH.—The Ishpeming Floral Company have just completed an addition to their greenhouses.

### Washington.

The 1898 meeting of the executive committee of the Society of American Florists and Ornamental Horticulturists is now a pleasant memory. Much was accomplished and the Omaha convention bids fair to be one of the most useful in the history of the society.

The final adjournment of the committee was quickly taken advantage of by prominent local men of the craft to give the visiting members a social season of feasting and sight seeing, and the Messrs. Gude brothers, Mr. Small, Mr. Durfee, Mr. Smith, Mr. Clark and others were untiring in their efforts to make their visit a memorable one.

visit a memorable one.

The banquet at the Ebbit House was one of the most select and enjoyable it has ever been our lot to attend. Hon, James Wilson, Secretary of Agriculture was one of the honored guests. In speaking of his love for flowers he said he hoped always to be surrounded with them both here below and in that future land, which he knew would be found full of flowers and florists.

The patriotic address of the Rev. Thos. Easton, one of Washington's celebrated divines, was soul stirring and inspiring to a degree, and made all present feel glad that they were American citizens either by birth or adoption. Mr. Edward Hay a prominent member of the bar claimed a sort of second cousin relation to the craft on account of his name. His address in answer to the toast, the ladies, was both flowery and witty and much enjoyed by all present. All the gentlemen present were called on by Mr. Small, the very efficient toastmaster, and with but few exceptions the subject of patriotism was dwelt on to some extent; it seemed to be in the air, and one couldn't stay long in such an atmosphere without feeling proud of his nation and all rose simultaneously and drank to the toast "Our Country," proposed by Mr. Durfee.

The next morning earriages were taken and the party were driven to the establishment of the American Rose Co. of which Mr. Durfee is president. They have an immense range of glass-about 200,000 feet-and all in good working order, in fact there was not an idle house on the place, while those filled with roses and carnations looked particularly fine. In fact but little else is grown except some odds and ends for their retail store. Their roses were looking splendidly, Mme. Chatenay and Golden Gate are the principal varieties grown. Mr. Durfee has great faith in Mme. Chatenay. Some 12,000 plants were forced this season and half as many more will be planted for next year's demands; it is very free and a vigorous,

healthy grower; it resembles La France more than any other rose now generally cultivated, only being somewhat brighter in color, and we should judge much casier for the average florist to grow. Golden Gate is claimed to be the most prolific of all forcing teas, and it certainly seemed to be able to sustain its reputation, being literally covered with buds. In color and shape it resembles Mme. de Watteville, being somewhat lighter than this variety and with much larger flowers and longer stems. Two new roses are being tried, one is Princess Bonnie a red, a shade darker than Wootton, apparently a cross between the latter and Bennett, judging from the foliage, shape of flower and the delightful fragrance, which is much the same as Bennett. Mr. Durfee says they put a few in a box with Metcors to sweeten them. As a commercial rose it is not likely to succeed, being too single. Mrs. Robert Garrett, the other, is a good grower but many of the flowers appear to come deformed, and the outside petals have to be taken off to make the bud presentable.

The carnation appears to be at home here, and all the houses devoted to the divine flower were, if we may say it, in the pink of perfection. The cream of the lot was Victor; it seemed as if the plants would soon exhaust themselves with the load of flowers and buds they were earrying, but we were told that ever since they had commenced to bloom this was their normal condition, and they seemed to be getting stronger if anything. Several houses were devoted to seedlings and all looked fine, a large scarlet was very fine and certainly as good as the best now in the market. A number of others of various colors, apparently quite the equal of standard sorts, were being tried the second year before being named. A large lot of young seedlings, 10,000, all hand fertilized from the best standard varieties are coming on; these are all potted separately, and are to be put on the market soon at \$15 per hundred. The eompany will offer a premium of \$300 for the best seedling from this lot to be exhibited before the Carnation Society at its meeting in Philadelphia next February, the selection to be made by its judges. It is also required that the winner of the prize must give the company an option to purchase the variety for \$1000 if they so desire. This price may appear high but we question if twice that amount would have purchased the stock of Flora Hill or Victor, and we understand that over \$2000 has been refused for Mr. Fisher's new variety, Mrs. Lawson. . long house of Scotts and the reputed sport Harrison's White, each on a White, each on a separate table, look well, with the exception that one table has been furnishing flowers all season while the other is just

commencing to bloom.

The large steam boiler which takes 5,500 gallons of water to steam it, is a monster, but is most economical. The heat passes through and about the boiler four times, and all through the winter four tons of coal each twenty-four hours keep up twenty pounds pressure of steam. After a pleasant chat in the office and refreshments, the journey was continued. Mr. Clark's place adjoining was visited. Black Beauty cannot a second dwarf dark leaved kind, was seen; it is said to be a capital bedder.

After a pleasant drive the Gude Brothers place was reached. Everything was in apple-pic order. A house of Meteors was very fine, and two houses of La France were seen as good as they used to be grown, which is a fact worth recording. A bull storage warehouse for keeping tulips and other like stock is a feature here; it is partly under ground, and having a double roof the temperature is very even. tulips are planted in boxes and packed on shelves from the ground to the roof, and brought out to be forced as required.

Again the carriages and the next stop was Mr. Durfee's office in the Malthy building, where a delightful lunch was served and an hour passed in discussing the same and other interesting fixings.

The new Congressional Library was next visited and the beauties of the building almost brought the party to a standstill. Any description of ours would do so little towards giving an idea of its great beauty that we will desist and only say, embrace the first opportunity and spend half a day within its walls. The Senate half a day within its walls. chamber was next visited and Senators Morrill, of Vermont, Teller, of Colorado, Foraker, of Ohio and Perkins, of California introduced to the visitors. We must not forget a very pleasant visit to the White House conservatories where the party were kindly shown through by Mr. Pfister. It being the time of the President's public reception, the opportunity was embraced and all shook hands with him.

### Ornamental Bedding.

PART II.

If the bed is not already outlined, put a stont peg where you want the center a to be, and lay out the circle with a radius of four feet six inches, making an eye on the twine big enough to slip around easily on the peg, measure the distance on the twine with the tape line, at the desired point wind the twine a couple of times around another peg and with this make the circle, while your helper holds the center peg steady. Then prepare the bed as formerly directed and the work can go on again, draw the circles b and cwith radius four feet two inches and three feet ten inches respectively, mark these circles with sand or whatever you After this draw circles d and e with radu three feet four inches and two feet ten mehes, divide the outline (circle a) in four equal parts try with tape line and pegs until con get it right, place a peg in cach of these points, b b and bi bi, tie a piece of twine from b to b and a piece from brita brithese two pieces of twine should then cross each other at the cenver, from this, a, measure to each side one that two inches and put pegs exactly in the aimes, this gives the centerse, from these draw circles f with seven inches and g

or points where the twine crosses circle easing to cach side three imbes and

where it crosses e to each side nine inches and put pegs in these sixteen points, tie twine between the opposite and corresponding points as dotted lines indicate, and draw the parts of these straight lines that are drawn full on the plan. Now mark all the full lines and the bed is ready

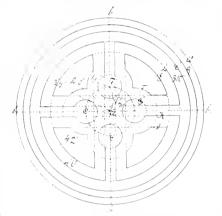


Fig. 1.—A circle, diameter nine feet.

for planting. These directions as well as the following ones will best be understood if you get pegs, twine and tape line and try the construction step by step according to directions on a piece of level ground. With a little practice it is not so difficult. The writer learned by self-study only, having no directions to go by, but having a good knowledge of practical mathematies.

Such a bed as it is usually drawn would look like Fig. 2.

1, Santolina incana; 2, Alternanthera amorna spectabilis; 3, A. aurea nana; 4, A. paronychioides major; 5, Santolina incana.

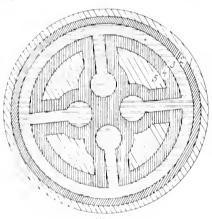


Fig. 2.

A working sketch such as you use for laying out a design would look something like this:



Fig 3

While the corresponding design would look like Fig. 4

1. Echeveria rosca, 2, Alternauthera amo na spectabilis; 3, A, aurea nana; 4, Pilen nama 5, Alternauthera spatulata.

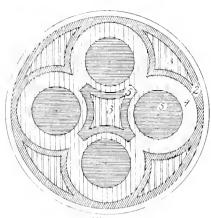


Fig. 4.

Other color combinations than these can of course be used, it depends largely on the stock on hand, and the effect can often be heightened by setting a plant as agave, vucca, Draciena indivisa or some ornamental grass in the middle and smaller plants of the same kinds or Echeveria metallica, etc. In other suitable places, and in many cases the middle of the bed can be raised, sloping evenly to the edge:

1, Alternanthera paronychioides major; , Coleus Golden Bedder; 3, C. Hero; 4, C.

Verschaffeltii.

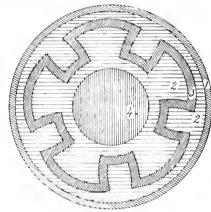


Fig. 5.

This is a bed of strongly contrasting colors for a twelve foot circle; it is easily laid out, the main difference from the former two being that the circle must be divided in five parts to find the centers. Symmetrical designs like these are easily laid out, as the corresponding centers always are equally far from the main center and equally far from each other. the designs 2, 4 and 5 we have to divide the circles in four and five parts. Fig. 6 we must divide in ten parts to find the centers, first dividing in five parts and then each of these in two. The radius divides the circle in exactly six parts, take every other point of these and it is divided in three. To divide in eight parts first divide in four and then each of these in two, to divide in nine parts first divide in three and then each of these in three,

m three and then each of these in three, etc. Fig. 6 will appear in part III

1. Alternanthera ameena spectabilis;
2. A. aurea mana; 3. A. paronychioides major; 4. Santolina incana; 5. Achyranthes Lindeni.

[TO BE CONTINUED.]

West Chester, Pa.—Josiah Hoopes and Miss Ellic A. Morgan were united in marriage on the morning of March 17. The groom is one of the old established mirsery firm known as Hoopes, Bro. & Thomas.

Members of the Executive Committee of the S. A. F. present at the Washington meeting March, 1898.



my Harris Sumaltelless Chuing wart

Greenhouse Pests San Jose Scale and Legislation versus Insects.

Read by Protector John B. Smith before the New re-Florists' Club.

The topics are wide, and either would furnish a text for a sermon if treated at large; but I will content myself with making suggestions rather than exhaustive and exhausting descriptions.

All rational methods for the destruction of insects, indoors or in the fields, must be based upon a knowledge of the character of the insect to be dealt with, of its life history and of the way in which the destructive agent is expected to work.

In the greenhouse where leaves and flowers are the desired products, many nowers are the desired products, many methods that are available in the field, become useless. The plants are more del-icate, the foliage is more tender and the flowers must be guarded from anything that will tend to discolor or in any way

injure their perfection.

We must attempt to arrange our practice so as to destroy the insects without harming our plants, and the selection of a proper agent is sometimes difficult. irst, it is important to know how we kill insects. Of course in those cases where the creatures eat the leaf tissue and we use arsenicals, the matter is sim-The poison acts through the stomach exactly as if some higher animal were the victim. But stomach poisons, especially arsenicals, are rarely desirable in a greenhouse, and the insects against which they are necessary are not among those that are most destructive.

Most of the greenhouse pests are suckers and creatures that live on the plant juices and merely puncture the outer tissue to get at the liquid within. Creatures like that cannot be reached by stomach poisons until we learn how to poison the plant circulation itself.

Of course the damage caused is in direct proportion to the number of insects present. A single plant louse, for instance, can do little harm; on a carnation leaf, for example-it makes a puncture or two, exhausts a few cells and dies. The amount of sap taken is insignificant, and not in the least a drawback to the plant. Locally we see a minute yellow spot, and if the leaf be held up toward the light and examined with a glass, a thin spot of exhausted plant cells is seen. With a higher magnification we may see the minute puncture itself. But this is not all, unfortunately. Bacteria and other disease germs are constantly present in the air and on the plant surface; so long as this surface remains unbroken they are harmless, but so minute are they that even the slightest wound gives them entrance and the puncture made by a plant louse is more than sufficient. The exhausted and partly decaying cells injured by the insects form an excellent culture medium for the micro organism and soon the minute spot begins to grow. Then we find a bacteriosis of carnations fully established and now a germ disease instead of an insect must be fought

I do not mean to assert that all cases ad bacteriosis are started in this way, for ary skin wound will serve equally well, but it cannot be doubted that in a large percentage of cases the origin of the dis case is from an insect panieture. As the mseets increase in number, their injury secomes more select. Yellow spots multiply and the plant lagins to technot only the loss of ap, but the failure of the lear esteric crise their proper function. The discusse enters are equally multiplied and the print becomes physically undit to perfore its work of producing perfect flowers its visitations quantity.

We get then one very important suggestion here—keep plants as sound as possible and deal with insects at once, when they are few in number, not when they have become so numerous that the plants are practically unable to recover. We must always remember that plants are living beings and responsive to both good and bad treatment. They are as variable in their resisting powers to outside influence as are the members of the animal kingdom, and the one in the best physical health in either case, stands the best chance of altogether avoiding injury.

To understand just how contact poisons work on insects we must consider for an instant the general anatomy, and particularly their mode of breathing. Insects have no closed system of blood circulation such as we find in higher animals. There is only one long tube more or less divided into chambers and this acts as a pump, forcing the blood into the head cavity and from there it makes its way through the body among the muscles and viscera until it finds its way back

into the pump.

Neither do insects have lungs and yet they require air to purify the blood, for life is essentially the same in them as in man. Therefore a modification in structure has occurred and the air is carried in flexible tubes to all parts of the body. These tubes go everywhere where the blood goes, and they open along the sides of the body-never on the head. An insect breathes, then, along the entire length of each side and there may be as many as twenty openings, although there are usually less. Ordinarily contact poisons act through these spiracles or breathing pores, though sometimes, on soft-bodied slugs we can use caustics. In the greenhouse, however, these caustics would be almost as dangerons to the plants as to the insects, hence the safer materials which act through the spiracles must be employed.

These may be soaps of various kinds, tobacco decoctions, oils, dry powders or gases, and each of these acts in a different

One of the simplest of the remedies usually employed is sulphur, either dry or in the shape of sulphur water. In either case the result is due to the decomposition of the sulphur producing a vapor which is deadly to insect life. Against creatures like the red mite or spider so often found on violets and other plants, dry sulphur spread on the soil and allowed to decompose slowly by the warmth and moisture often acts like a charm. Sulphur, indeed, is almost a specific against mites or similar minute spider-like creatures. The gases given off by its decomposition seem to be deadly to them. To the plants it is harmless unless used in unreasonable quantity. Exactly where the reasonable line ends is a question which the experience of the gardener must ascertain for each line of plants, but ordinarily there is no risk in sowing the sulphur so as to yellow the soil very perceptibly.

The sulphur acts only when the insects are in the active stage, and does not injure the eggs, hence infestation may continue for some time after the sulphur is applied, and so long as any unhatched eggs remain.

Against plant-lice sulphur is of little use as compared with tobacco. Tobacco mall forms is a good thing. It is a fer-tilizer, the nicotine as it is gradually extracted by the moisture of the soil kills almost all insect life contained in it, and when vaporized it is death to plant lice. The mere smell of the tobacco while appa rently impleasant to many insects is not

poisonous to them. But an extract in water so applied that the insects become covered, is rapidly fatal. So tobacco smoke when breathed by insects is fatal to many, while it stupefies a yet greater number. I need not speak on this point to practical florists, all of whom have probably had experience in this direction. A very good way to use tobacco where pipes are sufficiently hot is to smear them with a tobacco extract and moisten from time to time until it has all evaporated. This will penetrate everywhere and will settle on everything in almost invisible globules, killing all theaphides that come under its influence.

This leads naturally to another very important point that must be considered and whose neglect accounts for many failures. Most insects have the bodies either pubescent, very polished, or powdery or somewhat waxy on the surface, so that they shed water quite readily and any application of a coarse spray simply rolls off without effect. So also the spiracles or breathing pores are furnished with protecting screens of hair or bristles which serve to keep out foreign material. A large drop of water or watery decoction has not the least chance of penetrating through this protection and the application is useless as an insecticide. Use the same mixture with an atomizer and the result will be quite different. The minute globules adhere readily to the insect because they are not heavy enough to roll off; they penetrate between the protecting screen or under it, and enter the body with the in-breathing. Therefore when tobaccoor any other watery mixture is to be applied it should be put on in as fine a spray as can be secured.

For cleaning house plants of all save seale insects, a tobacco soap-suds put on with an atomizer, is almost perfect. This brings me to soaps as insecticides and they act in a somewhat different way. When put on very strong they are of course very caustic and as dangerous to plants as to insects. Put on at a strength safe to the plants they clog the spiracles and thus choke the insects to

death.

Some of you in days gone by may have made soap-bubbles, and if you did not you have probably seen others make them. This is a good example of the tenacity of a soap film, and if such a one forms over the spiracles of an insect the creature simply chokes to death. That explains how soaps act and the one that forms the stickiest film is the best. Tar soaps, or fir-tree oil soaps are particularly good for that reason, and fish oil soaps come next. You can readily test the difference between these and the common hard soap-suds if you make a solu-tion of equal strength. The common soap-suds will feel clean and smooth and crisp to the hand, while the others will feel more or less slimy. These soapy mixtures should also be put on in a line spray and from what I have said you will realize that thoroughness is essential, for no insect not actually hit by an application will be in the least affected by it. Soap-suds have an advantage over more watery mixtures, because they adhere better. The insect surface that will shed a droplet of water will retain and become covered by one of soap-suds-hence a tobacco soap is better than a tobacco tea, though neither is equal to a tobacco

There is another point worthy of attention in the greenhouse. If soaps are to be used, those made with potash rather than with soda should be selected.

ash is a plant food and when washed into the soil acts as a fertilizer and is taken up and removed by the vegetable growth. Soda on the contrary in the form used in soaps is actually deleterious to the plants when present in any quantity, and a frequent use of suds made with a soda soap may easily impair the value of the soil for plant growth. In general, hard soaps are soda soaps, while soft soaps are potash soaps.

Dry powders are rarely used in the greenhouse, but whenever they are to be employed the reasons that call for a fine spray, call for the finest possible dust. The finer the dust, the more effective the application. Coarse particles are readily sifted out, but fine fragments penetrate and get into the body cavity where they can produce their characteristic effect.

Of the oils, kerosene only has been used to any extent, and this is a most valuable insecticide where its use is allowable. It is very effective even when greatly diluted, but it must be first emulsified before it can be mixed with water. This emulsion is prepared as follows:

Hard soap shaved fine, 12 pound. Water, 1 gallon. Kerosene, 2 gallons.

Dissolve the soap in boiling water and pour the kerosene, which should also be slightly warm, into the boiling hot suds—churn rapidly with a force pump for a few minutes, and you will get a beautiful, snow-white butter which will keep in a cool place for weeks, and will dissolve readily in water to any extent.

Thus much for insecticides in general, and now a few words concerning a very few kinds of insects. Of course the same conditions that tayor the growth of plants also favor the development of certain kinds of insects, and particularly plant lice or aphides, commonly called "greenfly" or "blackfly" according as they vary in color.

[TO BE CONTINUED.]

### Antirrhinum Majus.

One of the best things to follow chrysanthemums for the florist who retails his own stock, and who does not require all of his space for bedding plants, is Antirrhinum majus. It is easily managed, and not at all fussy, as regards situation or temperature. It is a very useful flower, and helps greatly to relieve the monotony of the general line carried by the florist, who does not have access to the larger trade markets, and is very satisfactory to customers as it will keep nearly two weeks, with ordinary care, and every bud will open in the usual house temperature. The white and yellow varieties have proven to be the most useful, though a light pink variety that we are growing this season seems to sell fairly well. Many beautiful colors can be obtained from seed, but the better way to propagate is by cuttings, which should be inserted by the latter part of March, and if kept well shaded and not allowed to wilt, they will root very quickly.

After becoming established in 212-inch

After becoming established in 2½ inch pots and danger of frost is past, they can be treated in various ways to suit the general requirements. Where the plants are housed early in October, field culture has been very satisfactory with us, being careful to lift with as good balls as possible and keeping them well syringed after planting. A few degrees of frost in the field will not hurt them.

Where it is desired to get a goodcut for Christmas we find the best way to grow them is in pots, plunged in some sheltered place outside, and not allowed to get pot



ANTIRRHINUM MAJUS.

bound or to suffer from want of water, and kept well pinched back until the latter part of August. When grown in this way they can be housed early, and will not receive the slightest check when planted in the benches. About 50° temperature at night suits them very well, and at no time should they suffer from want of water; they are great feeders and will appreciate an application of liquid manure once a week after the first of Janzaron.

The plants from which the spikes in the illustration were cut were not benched until the last of November and have been blooming steadily since New Year's, and are retailing for \$1 to \$3 per dozen.

λ. II. L.

### Boston.

SPRING EXHIBITION OF MASSACHUSETTS HORTICULTURAL SOCIETY. — IMPROVED CONDITIONS IN CUT FLOWER MARKET.— NOTES AND NEWS.—VISITORS.

The spring exhibition of the Massachusetts Horticultural Society opened on

Tuesday, March 22, with rather unpropitious weather which continued lowering and rainy through Tuesday and Wednesday with a light attendance of visitors but a prospect of better encouragement on the two remaining days. The lower hall was devoted mainly to the cut flower displays, which were not up to expectations in number but were superlative as to quality. Out of \$325 appropriated to roses on the schedule, which was arranged with liberality, less than \$100 was awarded, the only exhibitors being Wm. H. Elliott and Robert McGorum on Brides and Bridesmaids and C. H. Souther (R. Sandiford, gardener) and David Nevins (Alex McKay, gardener) on hybrid roses. All these were very fine.

on Brides and Bridesmaids and C. H. Souther (R. Sandiford, gardener) and David Nevins (Alex McKay, gardener) on hybrid roses. All these were very fine.
M. A. Patten, E. A. and W. K. Wood, Wim. Nicholson, F. A. Blake (Bon Ton) and J. Tailby & Son (Wellesley) were the main earnation exhibitors. The sensation in this section was a vase of one hundred blooms of Mrs. Thos. W. Lawson, from Peter Fisher, which received a silver medal and attracted no end of attention from visitors. Patten's vase of

100 assorted carnations was fine. Maud Adams from Frank Niquet was given honorable mention. Alex McKay, as usual, carried off most of the honors on violets, H. S. Rand being second. Pansies from J. S. Fay estate (M. H. Walsh, gardener) and from Robt. Sandiford were up to the standard. Jas. Comley showed a fine promiscous collection of roses, camellias, etc.

The upper hall, which was devoted to the plant groups appeared somewhat thin as compared with former spring exhibitions. As in the cut flower department many classes were not competed for, such as ericas, orchids, hardy tlowering evergreen shrubs, cannas, ranunculuses and novelties in tulips and narcissi. The bulbous classes brought out the fullest competition, tulips being uniformly fine, hyacinths limited in number but good, and narcissi showing a good advance in and narciss slowing a good advance in number of varieties as compared with previous exhibitions. John L. Gardner, Bussey Institution, Dr. C. G. Weld and E. S. Converse were all well represented in the hyacinth classes, the same parties with the addition of W. S. Ewell & Son in tulips, jonquils, nareissuses, etc. J. W. Howard took both Harrisii prizes, and the Bussey Institution both anemone prizes. Dr. Weld's ixias and tritonias were the best seen here for a long time. Ewell beat the Bussey Institution on general display of spring bulbs with a superh

The finest azalea plant seen here for many years was Edw. Butler's specimen of Carl Enke. Three specimens of Acacias cultriformis, Drummondi and pubescens from Dr. Weld were grandly flowered. In Dr. Weld's collection were many handsome stove and greenhouse flowering plants, one of the prettiest, comparatively unknown here, being the little lilac flowered gem, Exacum affine.

The Botanic Garden was represented by some interesting things among which were Pendrobium nobile nobilius and D. Fitchianum. A plant of Cattleya Schroderiana from Bayard Thayer bore twenty-five blooms and was said to be the largest piece of this species in the country. C. II. Souther showed a pretty specimen of Crimson Rambler and in J. L. Gardner's group of orchids were some nicely flowered plants of sophronites.

The cyclamens were, as heretofore, one of the leading features of the show. The principal contributors were J. S. Bailey (Wm. Donald, gardener), and Mrs. B. P. Cheney (John Barr, gardener), Mr. Donald coming out first on the large plants and Mr. Barr first on those limited to 7 inch pats. On cinerarias C. H. Souther, James Garthley, John L. Gardner, C. G. Weld and E. S. Converse competed with results in order as named. John L. Gardner showed a good collection of hardy

primulas and polyanthuses.

There are evidences of better feeling and improved conditions in the cut flower market. The overstock is not so pro-nounced and the demand seems better able to take care of the supply. In this statement violets are, however, excepted, an avalanche of them descends on the market every day and a goodly propor tion of them are on hand to greet the nest day's product. Quality is high on Roses and carnations have never been better in this market. In the florists' windows, plants such as hereto-fore have been Laster specialties are a prominent feature. Cyclamens, prim-roses, azaleas, lilies and quantities of spring flowering bulbs are leaders. Cruuson Rambler rose is seen occasionally and seems to have taken a place as a permanent attraction in the list of forcing

plants for decorative purposes.
On Saturday, March 19, W. W. Lunt exhibited at Horticultural Hall a plant of Lælia-Cattleya "Mrs. John D. Long," a hybrid between Lælia elegans Warnerii and Cattleya superbasplendens, and was awarded a silver medal. Edward Butler, who has presided over the greenhouses of Wellesley College, where the young ladies do congregate, for nearly a quarter of a century, exhibited a plant of Dendrobium nobile with 1500 blooms, that showed conclusively that "Ted," as his friends call him, had not allowed his horticultural propensities to be interfered with by any extraneous distractions. A vase of Epi-Cattleya Guatemalense from C. G. Roebling attracted much attraction.

John Walsh has taken the position of superintendent of the Cut Flower Market,

Mr. Kennedy having resigned

Lawrence Cotter's smile has returned; all on account of a young Miss just added to his family circle.

It is reported in the "down east" papers that large shipments of flowers are arriving from New York on sale. The Boston growers are wondering "where they are at.

The will of the late E. C. R. Walker provides for the bequest of \$20,000 to he Massachusetts Horticultural Society,

the income to be used for prizes. Frank Becker has been dangerously

sick with pneumonia.

Visitors. H. A. Siebrecht, New York; Geo. McWilliam, Whitinsville, Mass.; P. J. Donohue, Lenox, Mass.; E. O. Orpet and J. T. Clarke; C. B. Knickman and A. T. Boddington, New York.

### New York.

FLOWERS STILL IN EXCESS OF DEMAND. LILIES MAY BE SCARCE FOR EASTER.-VIOLET PLANTS ARE GOOD,—THE TRIP TO OMAHA.—FINE ORCHIDS.—MR. LODER'S NEW OFFICES.—MR. O'MARA TO SAIL ON JULY 2.

The receipts of flowers continue heavy but not quite so unweildy as at this time last week, owing to darker and colder As to the Easter prospects weather. all are still in the dark. It is generally accepted, however, that lilies will be scarce as compared with former years, and that for good material in this line better prices will be realized than for a number of years. Louis Schmutz who has always on tap a vast amount of logic of his own peculiar brand says that if we have war with Spain we can make sauerkrant of our flowers.

Plants are of fine quality, as seen in the shop windows. Azaleas are well flowered, lilies short and stocky, cricas well feathered and violets never looked better. The Campbell, not equal to the Marie Louise as a cut flower, makes a much prettier pot plant. The flowers are larger at this season of the year and the color shows up more effectively.

The Market Florists' Association met March 22, and adjusted matters with the city anthorities, and Clinton Market will he open for the plant business at I a. m. Match 28. Forty two stands are already taken and the enterprise starts off with brilliant prospects. An executive committee has been elected, with John Birnic as chairman, and the next meeting will be held April 12. The rent of stands is

81 to 81 25 per week in advance. The florists' favorite Fall River Line is now fully settled in its magnificent new pier at the foot of Warren street. It is banch to be regretted that these boats on which the boys have enjoyed themselves

so much on past occasions, cannot run direct to Omaha. If that were possible, a full delegation would be assured. Efforts are being made, however, to plan some way whereby as many as possible may be able to travel together and thus make the long ride pleasanter.

MacDonald & McManus are receiving quantities of Cattleya Trianæ daily and expect to have them until after Easter. They filled one order for 600 blooms one

day last week.

The National Florists' Board of Trade has secured larger offices on a lower floor in the building they have been occupying heretofore at 271 Broadway, and Mr. Loder has arranged for many improvements in his facilities for prompt work in the special line in which they are employed.

Patrick O'Mara is booked to sail for Europe on July 2. We shall miss him

greatly at the convention.

### Chicago.

TRADE OUIET. - STOCK ACCUMULATING. -PRICES DEMORALIZED. - MEETING OF THE FLORIST CLUB.—DEATHS.—PERSONAL.

Business during the past week has been quiet. Sales have not been as large as they were the previous week, while the cut of flowers has been larger. Stock has accumulated in the wholesale stores, and as a result prices have been somewhat demoralized, buyers being able to dictate prices in most cases, especially on large lots. The very bright warm weather we have experienced for the past five or six weeks is having a very beneficial effect upon the crop of Easter lilies; many growers that were doubtful about getting their crop of flowers open for Easter five or six weeks ago now have their plants so far forward as to feel safe in taking orders for them.

W. W. Barnard & Co. have leased the new six-story building, Xos. 161 and 163 East Kinzie street, and will move their office into the new location May 1. W. W. Barnard & Co. are successors to Hiram Sibley, who started a seed business in Chicago in 1878 and sold out to W. W. Barnard & Co. in 1888. Mr. W. W. Barnard, the proprietor, was formerly connected with the old Sibley business. He was born in Chicago in 1856.

The Florist Club met Thursday evening. Edgar Sanders reported for the trustees that they had seemed an option on a hall in the Lemoyne building at about one-half the rental the club is now paving. The trustees were instructed to go ahead and make the lease. The special order of the evening was the Harrisii lily disease. Mr. Buettner lead in an informal discussion of the lily disease and diseased bulbs generally. Mr. Buettner claims that the same mite that causes the disease may be found on nearly all flowering bulbs, including all varieties of filies, hyacinths, tulips, narcissus, iris, and tuberoses. The consensus of opinion among those present was that until sounder bulbs could be procured it would not pay the average grower to force Harrisii. Van Teylingen, representing Van Zandten & Co., of Holland, was present at the the meeting.

Mrs. 1 re, wife of John C. 1 re, died at Chiengo on Saturday, March 19. Mr. tre in this breavement will have the sympathy of his many friends and acquaintances throughout the northwest. Mrs. Tre was the mother of Mrs. James Hartshorne.

Carl A. Lundstrom, of School street, died on Saturday, March 19, aged 65 years; there was a largely-attended

funeral, the interment being at Graceland cemetery. He had been in the florist business at the above address for the past fourteen years, and was well known and respected by many people both in and out of the trade. His wife and four sons survive him. Robert Lundstrom, a son, is connected with the Lincoln Park conservatories

Arnold Ringier is a firm believer in Bradstreet's and Dun's commercial reports. Burglars entered the flat building where he resides and robbed the flat above and next to his of jewelry and silverware to the amount of \$600 or \$700, but never took the trouble to open the door leading to his apartments. The police claim it to be the work of experts.

Frank T. Emerson, of Omaha, Neb., stopped in Chicago last Saturday. He is on his way east.

A. L. Vaughan started west on a busi-

ness trip Tuesday.

ness trip Tuesday.
L. G. Grensenz, salesman for Bassett & Washburn, was married on Wednesday evening to Julia Reig.
Visitors: Jac. Wezelenburg, Sassenhiem, Holland; N. Dames, representing Van der Horst & Dames, Holland; Robert Craig and John Burton, Dislocativities and John Burton, Philadelphia.

### Rose Leaf Blight.

There is a leaf trouble of the rose that is becoming quite common in parts of the country. It was about five years ago that the writer first met with this fungus. This was in a large house of various sorts of roses some of which, worse than others, were looking badly from the disease. The effect of this fungus, Sphaerella rosigena E. & E., is that of irregular spots of a gray color and often surrounded by a purple or red border.

Figure 1 shows three rose leaves with some of the leaflets already fallen, and the remaining ones are more or less blighted. The largest leaflet, the terminal one upon

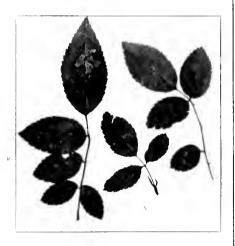


FIG. I. THE ROSE LEAF BLIGHT.

the left hand, has the blight in its center. Figure 2 shows this same leaflet as seen under a magnifying lens and the blighted part is fully three times the natural size. With this enlargement the fruiting of the fungus is shown as minute dark pimples. This is not the place to discuss the method of spore formation, but it goes without lengthy statement that when this blight gets so firmly seated in the leaf as shown in figure 2 there is not much more hope

of usefulness for that leaf. In fact instead of being an organ for the making of substance for the growth of the plant it has degenerated into a propagating place for the fungus that has brought its ruin. And this leads naturally to a considera-

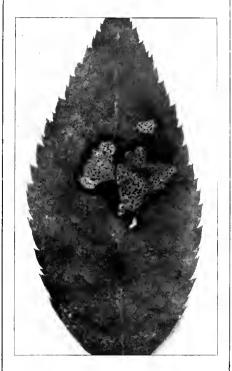


FIG. 2. THE ROSE LEAF BLIGHT

tion of the importance of removing all such leaves and burning them, or better still of treating the foliage so that such blotches do not get started in the rose foliage. Such troubles cannot be cured, but it does not follow that they need to be suffered.

It is as essential for the marketing of the blooms as for their production that the foliage be kept in a healthy condition. This means healthy stock to start with, the best of soil with fertilizer in right amount and judicious watering and ventilation. Probably the best spray for fungous diseases is the cupram, as it has no lime, and therefore gives no objectionable coating to the foliage. Flowers of sulphur will do some good, and has the great point in its favor of doing no injury to the rose plants.

BYRON D. HALSTED.

### St. Louis.

BAD WEATHER MAKES BUSINESS QUIET .-SOME GROWERS VISITED.-J. J. BENEKE CHANGES QUARTERS.-PERSONAL.

The past week has been one of the worst on record so far as the weather goes.

Business the past week has been quiet, painfully so for those depending upon transient trade, owing to the wet weather. Those doing a custom trade, however, report better business, principally lunches and funeral work, but not nearly enough demand to move stock. The wholesalers have quantities of stock on hand in all varieties which they can't dispose of; the glut is caused not by heavy receipts, but by the absolute lack of demand for stock; the only thing selling are the selected grades of roses and some fancy carnations. Owing to the peculiar state of trade,

the wholesalers have seen no benefit to come from a lowering of prices, and con-sequently they have held them up to last week's figures. Carnations running 1 to 3 cents; roses, 1 to 6 cents; Beauties, 2 to 35 cents; violets, 10 to 30 cents, smilax has been cleaned up better than anything coming into the market, selling from 10 to 15 cents. Fancy ferns have been very scarce, some wholesalers reporting them to be over for the season.

Several bright days following the present cool spell will put the market in good shape to last until after Easter.

A visit was paid to several of our St. Louis county growers last Sunday by your correspondent. Mr. J. W. Dunford's place at Lockland was first visited; the carnations were in good shape, especially Scott and Daybreak; we found here another system of staking carnations or rather supporting them and like most all the systems written of, considered the best by its inventor. The support used is 12-inch chicken netting; it is run across the bench and back between each row of carnations on its edge; it is not cut but is continuous and passes around the front plant of a row, and starts down the other side; it is spaced and held in shape by short cross wires that are clamped to its edges, three cross wires being put on the upper edge and two on the lower edge in each row. It is the intention of Mr. Dun-ford to lift and hang the whole thing to the roof when removing the plants and drop it in place again as soon as the plants are in the benches for the following season. Although successful in growing roses Mr. Dunford expects to put his three large houses entirely in carnations next season; his violet house will contain as it did this season small single violets; when asked about California for single, he said the returns from the smaller violet were enough to satisfy him. After trying Farquhar and Marie Louise side by side, the results are against the older variety and it will be discarded in favor of its newer competitor.

Our next stop was at John Steidle's place; his carnation house was worth a long trip to see; if any of our growers want to see or find out anything about red carnations, they would be wise to examine his bench of Jubilee; they were simply magnificent, without doubt the best of that variety the writer has ever seen. Daybreaks also were fit companions for Jubilee, being in just as good shape, they, however, being more universally grown do not make the impression that well grown Jubilee do. In white, Alaska is grown principally; several panels of Flora Hill have been tried this season but will be discarded and Alaska held to for the main white; Evelina will be tried the coming season just as Flora Hill was the present. Mr. Steidle believes in holding fast to tried varieties, and make the newer ones prove their superiority before giving them any amount of bench room. Scott has proven unsatisfactory this year, Scott has proven unsatisfactory this year, fully 50% of the flowers having split their calyx, he will grow in its place a deep colored sport from Daybreak, which he has succeeded in fixing, and of which there is quite a stock. Violets are also quite extensively grown by Mr. Steidle, small extensively grown by Mr. Steinle, small single, California and Farquhar. Here, as at Mr. Dunford's, Farquhar is most highly spoken of; it appears to be the coming double variety for profit. I am afraid to state Mr. Steidle's estimate of flowers cut to a plant for fear that there would be nothing grown next season but Farquhar. The place all through was in excellent shape and is a credit to Mr. Steidle's ability as a grower.

J. J. Beneke has moved his store one door west from his former location at 1220 Olive street. The store vacated was about the fifth flower store opened in St. Louis, and has been used continually as a flower store for more than twenty-five years. The new store is much larger and better adapted for the needs of the business, besides containing two fine show windows.

Mr. Kellogg, of Pleasant Hill, Mo., passed through town last week on his return from the meeting of the executive committee of the S. A. F. in Washington. He reports stock looking well around Washington: he was also impressed with the appearance of Mrs. Robt. Garrett and reports growers as being of the opinion that it will prove a good winter flowerer. The report he brought back of the entertainment by the Washingtonians need not be mentioned as all can imagine it who know what wholesouled fellows the Washington brethren are.

Visitors: Harry C. Sim, representing Henry A. Dreer, of Philadelphia.

R. F. T.

### No Politics in the Paterson, N. J., Park Management.

ED. AM. PLORIST:—In a recent issue of your excellent journal, in an article referring to change of park superintendent in this city, you make certain derogatory strictures on the park commissioners, attributing the resignation of Otto Buseek, our former superintendent, to a political deal, and alleging that a change was made for the purpose of making room for a man with a political "pull."

As there are always two sides to a story we trust that you will give the same prominence to a contradiction of the allegations alluded to. We emphatically deny that Mr. Buseck's resignation was entorced through any political influence governing the action of the park com-missioners of this city. Politics have never at any time entered into the business or deliberations of this body since its organization in 1889. The commissioners to a man have jealously sought to keep out everything bordering on politics, and in this the citizens of l'aterson have had a source of much pride. No man applying for a position as superintendent has ever been asked his politics. Mr. Buseck was not. He was not a citizen of the United States when he was engaged, and it is doubtful if he is at the present time. Our late lamented superintendent, Henry McCrowe, who died in the service of the commission after serving three years, was not a citizen at the time he was engaged, but became one later, instances are cited to show how little at tention is given to polities. The engagmg of the workmen for the parks is entirely in the charge of the superintendent, who discharges and hires as he sees ht those men that he requires for the work, and he has instructions not to keep any man in the employ of the department that is not able to do a fair day's work. So much for politics.

When the commission engaged Mr. Buseck, after the death of Mr. McCrowe, he was engaged on the strength of his recommendations and his own claims as to his fitness for filling the position. It was made mainlest very shortly after his engagement that he lacked executive and professional ability to fit him for the position, but rather than dismiss him the commission decided to allow him to remain in the employ of the commission and this spring. Mr. Buseck was informed that a change was to be made so as to all whim to retrie from the com-



NEW CHRYSANTHEMUM MRS. A. F. WIENOLD.

mission with the prestige of having resigned. This is all there was to his enforced resignation. Six out of seven commissioners favored a change, deeming it for the best interests of the parks of this city. If there were "politics" in the commission Mr. Buseck ought certainly to have had more than one friend in the commission. So much for the change.

Mr. John M. Hunter, who was unknown to the commission one week previous to his engagement, applied for the position and has been appointed Mr. Buseck's successor. Mr. Huntercomes to Paterson from Hempstead, Long Island, and is an entire stranger in Paterson. He came highly recommended and was engaged. He certainly had no "political pull" get the position. The park commissioners of Paterson are all influential and representative business men working for the best interests of the parks. They serve without remuneration and are not dependent upon their appointment in any way to politics. When Mr. Buseck makes the statement, or any one else, that, his removal was due to polities he chætges what he knows to be not so

Very respectfully yours,
The Pyrk Commissioners.

We publish the above abstract of a letter received from the park commissioners at Paterson, N. J., with pleasure. The Aviriac vs.1 rousers always desirons to publishing facts, and it would appear from the foregoing very clear and definite statement that a serious injustice had

been done the estimable gentlemen who have charge of the Paterson parks,—ED.]

### Early White Chrysanthemum.

MRS. A. F. WIENOLD.

The blooms in the illustration were all cut from one plant on October 7 last, the photo being taken after they had been kept two weeks. The color is a creamy white, the form of the flower being very similar to Golden Wedding. It is a strong, rather tall grower and said to be very easy to do.

It is being introduced by McDonald & Steele, Crawfordsville, Ind.

### Philadelphia Notes.

The Spring exhibition of the Pennsylvania Horticultural Society will be held next week commencing Tuesday, March 29, and continue until April 1. It is the first spring show held for several years and it is to be hoped that the trade generally will give it all the support they can by exhibiting and competing for the generous premiums offered. A spring show properly conducted should be almost if not quite as great an attraction as the chrysanthemum exhibition in the fall. Let everyhody put their shoulder to the wheel and push all together.

The number of G. C. Watson's 'phone

The number of G. C. Watson's 'phone is 5086 D. He has been a trifle slow, or perhaps we had better say conservative, with this convenience, but now one can have his car at a moment's notice.

### THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order. No Special Position Guaranteed. Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.
Advertisements must reach as by Wednesday to secure insertion in the issue for the following Saturday.
Address THE AMERICAN FLORIST CO., Chicago.

### B. P. Critchell's Sons.

The above firm call our attention to an error in their advertisement in our issue of March 12. The advertisement is worded "Six Areca lutescens 5-inch pots, five in a pot." It should have been "three in a pot."

### "Experience with Carnations."

The latest edition of Mr. Albert M. Herr's pamphlet on carnations has just been issued. It gives further information about varieties mentioned in former editions with additional cultural notes. Everyone interested in carnations should send for a copy.

### Greenhouse Building.

East Weymouth, Mass.—Daniel Lincoln, one greenhouse, 150 feet long. Westerly, R. I.—II. G. York, one commercial house, 23x70 feet.

### E. G. Hill's Experience with Jadoo.

In answer to your questions regarding Jadoo would say: First, it is useful in a limited way for germinating certain seeds, chrysanthemums, begonias, and other seeds of a like nature, for the reason that it seems free from substances which go to decomposing soon, thereby rendering less trouble from fungus growths. There are other substances equally as good, viz., cocoa fibre and some kinds of peat.

We have found it good for fancy caladiums, especially for starting the bulbs in for early growth; but it does not maintain growth without the application of liquid or other feed—for that matter neither will soil, where extra good plant development is desired. We have used about two tons of it and shall continue to experiment with it, believing it has certain qualities for a few kinds of plants which warrant its use.

We think its cost out of all proportion to its value and doubt if it will become very generally used on that account.

If it will do one-half what is claimed for it, it should become a very valuable adjunct to the florist in the production and development of high class flowers and extra fine plants.

In the stirring competition now prevalent in the florist trade it would require that Jadoo at \$27.50 a ton should possess extraordinary powers over ordinary compost in order to warrant its being used to any great extent by plantsmen. This quality we fail to find in its use over soils for general culture. Our experience is that it does not work well to mix with the soil of castern Indiana, and fail to find any special benefit whatever from its incorporation with our general compost as used by us.

As noted above we intend to give further trial and experiment, desiring it shall obtain an honest start with us in competition with other soils.

In connection with the subject matter

it may be stated that there are deposits of vegetable fibre in castern Indiana not unlike Jadoo in fibre and texture, and which, when sweetened by exposure to air and frost, acts as a stimulant to quick root production. This particular fiber is found where the beavers in years gone by built their dams across rivers and streams. We have no doubt but that this fiber if gotten out and sweetened would be useful in a limited way, equally so with Jadoo.

E. G. Hill.

### Society of American Florists.

The Executive Committee of the Society of American Florists and Ornamental Horticulturists held its session in Washington, D. C., on March 15 and 16. Many matters of importance concerning the future policy of the society and the management of its various departments were taken up and carefully discussed.

It is not the purpose of this communication to give in detail all the matters which occupied the committee's time, but merely to give briefly the conclusions arrived at in some of the matters of special interest to the society members and the trade in general. The most radical departure from the past policy of the society was the adoption of resolutions establishing a number of departments under the society's management, calculated to secure to members of the society direct benefits which are likely to make membership in the organization desirable and necessary to everyone identified with the florist trade. These departments are to be established under the following titles: Department of Credit Information, Purchasing Department, Legislative Department, Arbitration Department and Claims Department. Each of these departments is to be under a committee appointed by the president, with the approval of the society, and the title, in each case, indicates its work.

The duty of the committee on credits will be to furnish information concerning the business standing of persons in the trade; said information to be supplied to members of the society at \$1 per amum and to all other applicants at \$5 per annum. This committee was constituted to consist of the secretary with Messrs. II. B. Beatty and Adam Graham and was instructed to proceed at once to secure necessary data for putting the department in operation.

It was decided that the purchasing department should also begin work at once to secure for members of the society through co-operation and the purchasing of large quantities of material, lower rates upon such supplies as glass, iron pipe, coal, etc. Messrs. E. M. Wood, W. W. Coles and W. K. Harris were constituted the committee.

The legislative committee will be entrusted with the duty of watching for and discouraging adverse legislation, either state or national, and encouraging such legislation as shall be considered favorable to the trade. The committee already acting for the New York Florists' Club on similar work, consisting of Messrs. Patrick O'Mara, J. N. May and C. H. Allen, were endorsed and appointed to represent the Society of American Florists in a similar capacity.

The purpose of the claim department is to act on behalf of the members of the society to look after the adjustment of claims against transportation companies.

The arbitration committee will be entrusted with the duty of helping members to settle mutual differences without recourse to law.

The two latter committees were not constituted by the executive committee—the necessity for immediate action not being apparent, but the committee will recommend to the society at its meeting in August that they be established—the secretary to be a member ex-officio, of the committee in each of these departments.

In response to what seemed to be a general demand for a revision of the methods of making awards at the trade exhibitions, it was decided that the past system of awarding certificates should be discontinued and the competitive features heretofore encouraged, eliminated. The old rule in reference to the making of awards was replaced by the following: "Judges shall examine all exhibits and make mention of such as are, in their opinions, of special value, and shall only award certificates to new plants, improved appliances and approved florists' requisites, not previously exhibited before this society." It was also voted that all parties hereafter, who win awards of value, shall qualify themselves as members in good standing before receiving such awards.

All other matters relative to the management of the trade exhibition at Omaha were left to a committee consisting of the president, vice-president and secretary, who will visit Omaha early in May and make all necessary arrangements toward securing a successful convention in all its departments. Propositions looking to the securing of a special train to travel from some eastern center to Omaha and take up delegates at various points en route, were also referred to the same committee.

The following subjects for discussion at the sessions of the convention were selected: "The American Bulb Industry, (and, incidentally, the lily disease; its cause and its remedy), discussion to be opened by Mr. M. G. Kains of the Department of Agriculture, Washington. "Trade Exhibitions," their value to the florist trade, to be opened by Mr. E. H. Cushman, Euclid, O. "The Influence of Public Parks," "Grafted Roses for Growing I'nder Glass," "The Effect of Improvement in Varieties and of Improvement in Cultural Methods," were all selected as subjects to be discussed, and to be assigned at a later date to competent persons. How to interest the retail trade in artistic decorative work was a subject discussed at length, and a general invitation will be sent out for a contribution of photographs of such work, to be shown at the exhibition hall in Omaha.

The Carnation, Chrysanthemum and Dahlia Societies will be invited to provide one essayist each on subjects connected with their special work. It was decided to offer the same number of silver and bronze medals for competition at Omaha as was offered at Providence last year—one of which will be given to the best exhibit of American grown bulbs and the balance of the schedule to be announced later.

The treasurer's report showed the gratifying fact that there is a balance of \$135 more in the treasury than at a corresponding date last year.

On the committee table was a vase of magnificent blooms of the rose Golden Gate, grown and contributed by Gude Brothers, of Washington.

WM. J. STEWART, See'y.

Bringeport, Conn.—E. C. Bassick died Saturday, March 12.

Albany, N. V.—Thos. Wade has opened a new store at 104 Pearl street.

### Philadelphia.

BUSINESS STILL DULL .- BEAUTIES CHEAPER. -STOCK PLENTIFUL.-SWEET PEASARRIV-ING,-MB,D WEATHER,-D, D. L. FARSON GONE OUT OF BUSINESS .- PERSONAL.

No, business has not improved much over that of last week; it is dull, very dull; to be sure there have been some store decorations and a few small weddings, but the transient business still continues very slow. The bottom has dropped out of the Beauty market as far as prices are concerned, and they are to be had at are concerned, and they are to be had at almost any figure, the very best going for three dollars per dozen and many left over at that. The smaller sizes go for a mere song: \$4 to \$6 is high for teas, with the exception of a few specials which bring \$5 to \$10. Carnations at \$1 to \$1.50 have commenced to pile up. A few of the finest bring \$2 to \$3. Sweet peas are becoming quite common and sell for \$1 to \$2 per hundred sprays. Violets are almost past quoting, about 50 cents per hundred for the best with a limited sale is the price, in quantity very low prices are realized. Bulbous stock is all about the same figure, from \$2 to \$4 per hundred being the price. Harrisii lilies sell slowly at from \$8 to \$10 dollars per hundred flowers.

Plants in flower are in evidence in all the stores, but just now they, along with

everything else, are selling slowly.

The mild—in fact hot—weather of the past week has given the growers considerable uneasiness as it is bringing the Easter stock along very fast; 70° out of doors is very warm for this season, and extra precautions have to be taken to prevent the stock coming on too fast.

As Easter draws near there seems to be quite a lot of lilies coming into sight and it is quite probable there will be enough to go around at about the same figures

as last season. John Wanamaker has commenced his annual sale of Dutch budded roses, and one does not go very far on the shopping streets without seeing bundles of them being lugged about by amateur rose growers, 15 cents each or two for 25 cents, and \$1.25 a dozen is the price.

D. D. L. Farson has closed up his establishment and gone out of business. The petty annoyances of the retail merchant were too much for Dan, and hegave up in disgust after a little over a year's experience.

Messrs, Walter Coles, E. D. Smith and H. B. Beatty of the executive committee of the Society of American Florists stopped over a day or two in this city on their way home from Washington. The western members always lay out routes in going about this city so as to take in as many oyster saloons as possible. It is related how many the Kokomo member put away at one sitting, but we forbear as we don't like to be called unreliable.

Chas. E. Mechan and a unimber of his Germantown friends had a private reception in the club room last Tuesday evening, a very enjoyable time was the result. A like privilege will no doubt be enjoyed by other members in the near

### Cincinnati.

Business the past week has been on the decline, and flowers of all kinds are now plentiful Roses have fallen off in prices, with the exception of choice Beauties. Bulbous stock is in good supply with lit tle demand. Carnations of good quality are holding their own, prices have varied from \$1.50 to \$2.50 per 100 for laney. Violets are a terrible glut, and buyers of large quantities are able to secure all they need at their own figures. Retail trade is quiet all over the city and St. Patrick's Day passed by unnoticed. The first part of this week more activity in funeral work was felt.

At the Christ Moerlein funeral (of the Christ Moerlein Brewing Co.) I noticed one emblem which deserves special mention. It was a solid white vase resting on a base of loosely arranged cycas leaves, interspersed with Beauties and lilies of the valley. The design was five feet high and the top about twenty inches in diameter, it was filled with Beauties and Asparagus plumosus. A garland of Beauties was fastened at the top, drooping gracefully over one side, with several doves resting among roses at the other side. The whole design showed much taste, and the workmanship was excel-It was executed by the Hoffmeister lent. Floral Co.

We are having unusual warm weather at present with much rain. Magnolias are in full bloom, peaches showing color, and all herbaceous plants are much advanced for this time of the season.

H. SCHWARZ.

### Worcester, Mass.

Trade still continues to hold on fairly well; flowers are plentiful and prices remain steady.

Bulbous stock is moving rather slowly, especially tulips, but the bulk of it will be well cleaned out after Easter.

There has been a little violet war on the last week between Sargent and the cutflower department of the Boston Store; at last accounts Sargent had the best end of it.

The weather continues warm and springlike and robins and bluebirds are with us, but as yet we have seen no Dutchman.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 188 is entitled to a five-line want adv. free to be used at any time during the year.

CITUATION WANTED—By a first-class florist of 10 years' experience; good rose and carration grower. Address A.C.M., care American Florist.

SITUATION WANTED—By a competent gardener and florist, private or public place preferred. First-class references. A PA, care Am. Florist.

SITUATION WANTED-By an experienced krower of roses, carnstions mome, as foreman: 12 years' experience. GROWER, care 716 3d Ave., Brooklyn.

ATTUATION WANTED -By an experienced gardener in and florist on private or commercial place; nge 33, married. Best of references. W.R. caro American Florist.

OPTHATION WANTED—As foreman by single man, in age 30; grower of roses, carnations, minos, violets, valley, paims, etc. First-class recommondations. F A H, care American Florist.

OPTUATION WANTED - By a young Danish florist, 12 years of size, is assistant; i years' experience in England. First class references E. B., 130 Prospect Ave., Brooklyn, N. Y.

CITUATION WANTED By an experienced grower of rones carmations, violets, indims and general bedring plants, to take charge of commercial or private place. Address F.W., care Am Florist

OTTIATION WANTED A chance to learn to grow in carnations, etc., by a young man; have had some experience; small wages. New England states perferred. Address A II., care American Florist.

OPTUATION WANTED By practical florist, No. 1 to now grower; commercial or private position; en-mations, minus, violets a specialty. References, 25 years experience. W. care P. O. Box 547, Alliance, O.

OPTUATION WANTED. By good orchid, paim and in fern grower: Bratednasa, all round florist and gardener, English, middle aged, single, temperate. Alref erences. CATILEYA, 126 Duraton Ave., Syracuso, N.Y.

STUATION WANTED A man, 30 years of age, single, wants position in commercial place; good grower of roses, carmations, mains, paims and general stock—liest of references—At liberty April 1—C. J. R. care American Florist

SITUATION WANTED—As manager by a competent plantsman; IS years' practical experience in roses, orchids, palms, ferns, tiorists' stock in general. Capable of taking entire charge of large commercial or private place; married. References. Address HPS, care American Florist.

WANTED AT ONCE-Assistant florist. Address GOOD HOME, care American Florist.

WANTED—The address of Carl Jorgensen, Dane, Amager. Address L. JENSEN, South Butte, Mont.

WANTED-Partnership in established business, in or around Boston. Capital, \$1,000 or more. OLOF OLSSON, 66 Hamond St., Boston, Mass.

WANTED-By April I, a gardener and florist for commercial place; German, single man. Wages \$30 a month. JNO. FEIDEN, Great Falls, Mont.

WANTED-To buy or rent a florists' establishment near Omaha. Neb., or ground suitable for erec-tion of a plant. Address A. C. ANDERSON, Leigh, Neb.

WANTED AT ONCE - Good, quick man, sober habits, for watering and general greenbouse work. State wages wanted. References.
C. II. FREY, 1131 O St., Lincoln, Neb.

WANTED—Competent and first-class practical florist to take charge of 5 rose and carnation houses; good worker; married man preferred; natural gas bere. State salary expected. Address

L. A. JENNINGS, New Castle, Ind.

WANTED-A buyer for an established florist business and greenhouses. Everything in first-class condition. A fine stock of all plants, roses end carnations. City water, steam beat; 3 boness, 3000 feet glass; fine large office, bolier bones, potting sbeds, cold frames, etc.; lerge cut flower cellar; cement walk, stone curb and streets improved; land 150x132 feet. In thriving indisna town of 500; beaths and pleasure resort, six large sanitariums. No competition within 30 miles. A bargain if sold at once; 13 cash, balance to suit purchaser. Speak quick. Address MEXICO, care American Florist.

FOR SALE-Greenhouses on principal street in the city. For particulars apply to J. H. REBSTOCK, 584 Main St., Buffulo, N. Y.

FOR SALE—Cheap for cash, an old-established flo-rist and seed store in Chicago drawing good busi-ness; owner has two piaces. 174. care Am. Florist.

FOR SALE OR RENT CHEAP—Six well-stocked greenhouses, dwelling, etc. Best R. R. facilities, no competition. Reason, poor bealth. W. L. Winn, White Hall, Ill.

### FOR SALE.

One dwelling house, two greenhouses 17x150, newly built, well located and good home trade, on street car line, near city of 300,000 population. For particulars address H S, care American Florist.

### FOR SALE.

Greenhouses in one of the best cities in Wisconsin, A good investment and a money maker for a hustler. Owner must retire on account of poor health. For particulars write

A. LEUBNER, Wausau, Wis.

### Situation Wanted.

A COMPETENT MANACER of therough ablify and over 20 years' practical experience desires a position to take entire charge of private estate, park or first-chase commercial place; an experienced outlivator or palms, orchids, florists' stuck in general, shrubbery, fruit and vegetables; a good floral decorator. Thoroughly reliable, married, with small family. Good wages required. Address

FLORIST, care S. J. Nelson, 206 E. 28th St., New York.

## **BUSINESS OPPORTUNITY**

I HAVE a lot of seven acres at Atlanta, Ga., ferfile and well adapted for growing flowers. Many varieties now growing. I want to talk business to florist with capital and experience. Fine climate, population 110,000. Call on or address

HENRY ROBSON,

CHICAGO, ILL.

## Wanted For Easter!

A house of Harrisii or Longiflorum Lilies in bloom, for cut flowers.

"LILIUM."

care Eastern Office, 67 Bromfield St., Boston, Mass.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

### Diseased Callas.

What is the matter with callas rotting off in the stem at the base? Out of 200 fully one-half have done that way in pots and bench. The roots start with fine strong growths and ready to bloom. All at once they fall over and are gone. I have never seen callas behave that way and have grown them every year under the same treatment. Do you know any cause for it?

H. STEINMETZ.

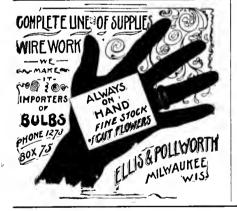
The callas are affected with a rot that develops in the crown, where the leaves join the corm. The germs of the disease are doubtless inside when the plants are set out, and came from the region where they were last grown. The disease is known to occur in California, but does not seem to have become established east of the Rocky mountains. No remedy has yet been suggested. Every plant with the soil about it should be removed as soon as the disease shows, and thus keep healthy plants from contracting the J. C. ARTHUR.

### Cure for the Rotting of Bulbs.

If you are ever troubled with bulbous plants decaying on the side of bulb, stem or leaf, take three-fourths lime (airslaked will do) and one-fourth sand; make a stiff plaster. Remove all the decayed portions and give the parts affected a thick coat, and keep that way until all signs of decay have left. Place your plants in a moderately warm place and do not water too much; keep water from the affected part, and in a short time your plant will A. F. WIENOLD. outgrow it.

TRAVERSE CITY, MICH.—Charles Gunton has started in the greenhouse business on Randolph street, at the location formerly occupied by the Traverse City Floral Co.

DAYTON, O.-The new greenhouses at the Soldiers' Home will be erected in May.



## Wholesale Flower Markets

| CINCINNATI, March 24.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Roses, Beauties select                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| medium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| " Brides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dittesmands 1009 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " Meteors 5.00@ 7.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Carnations 1 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| " fancy 2.00@ 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Laly of the valley 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Romans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Narcissus 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Daffodils 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Daffodils       3.00         Violets       50         Harrisii       10.00@12.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Harrisii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Callas 8,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tulips 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tulips 3.00<br>Smilax 12.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Adiantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Asparagus 50.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Abparagos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| St. Louis, March 24.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Meteors 1.00 a 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " Brides, Bridesmaids 1.00@ 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| " Peries. 1.00@ 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| " Wootton 1.00@ 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| " La France                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| " Katserin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| " Carnot 1.00@ 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Carnations 1.00@ 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Carnations 1.00@ 3 00<br>Violets California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Violets California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lily of the valley 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Harrisii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Callas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tulips 3.10 a 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Narcissus. Romans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Freesta 2.60@ 2.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| No No 1. 07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MILWAUKEE, March 25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Roses, Beauties per dozen 1.10@3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " Brides, Bridesmaids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| rene. bene 2 000 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Carnations 1.00% 2.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Romans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lily of the valley 2.00@ 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Freesias 2 00@ 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Lily of the valley   2,00@ 3,00   Freeslas   2,00@ 3,00   Freeslas   2,00@ 3,00   Fullps   Hyacinths   2,20@ 3,00   You Slons   Jouquils   2,00@ 3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3,00   3, |
| Von Slons, Jonantis 2 00@ 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Callas, Harrisii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BUFFALO, March 24.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| " Brides Bridesmaids, Meteors 3 00% 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| " Perles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| " Niphetos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| " Niphetos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Carnations extra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ordinary 1.00@ 1 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Lily of the valley 300@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Violets. 50@ 1 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pomens 9.00@ 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Romans 2.00@ 4.00<br>Harrisil 6.00@10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dartiell 6 00@10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Smilax         12.50@15.00           Adlantum         1.25@1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Adiantum 1.25@ 1.50<br>Asparagus 50.00@75.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Asparagus Plumosus

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

The Denver Florists' and Nurserymen's Exchange,

Ihe Denver Florists' and Nurserymen's Exchange, 1501 Lawrence St., Denver, Colo. for the accommodation of the Denver Florists and Nurserymen and for the benetit of the Western Trade in general. Will furnish you certything you ceed for the Greenhouse and Garden. We pay cash for our wants in the Cut Flower line. Send us a list of your Surplus Stock. Let us figure on anything you need. Terms cash, Also Cut Flowers, etc., bought and sold, on commission. Ask for our new and original Telegraph Code; very useful for new tirms.

F. A. Haenselmann, Mgr.

GOOD PACKING.

### <u>«Հուսանուսանուն անանական անանական անանական անանական անանական անանական հարաական անանական անանական անանական անա</u> WE WILL HAVE THEM!

8,000 CUT

ALSO ALL OTHER SEASONABLE FLOWERS PROMPT SERVICE.

At the Right Prices.

Place your order now for Easter delivery.

### HOLTON & HUNKLE CO.

Wholesale Florists and Florists' Supplies.

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Wholesale Florists.

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E. C. AMLING. WHOLESALE

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Albertini and Bridesmaid, \$2.00 per 100; Daybreak, \$1.50 per 100; Lizzie McGowan, Ivory, Lizzie Gilbert, Fred Dorner and Rose Queen, \$8.00 per 1000.

88 & 90 Wabash Avenus,

Telephone Main 3208.

CHICAGO.

### S. B. WINTER.

(Successor to WINTER & GLOVER,)

### HIGH GRADE UU

so they will reach you in just as good condition as they reach us.

WIRE DESICNS: A Full Line. Write us for our lilustrated Catalogue.

IF YOU WANT EASTER FLOWERS OR FLORISTS' SUPPLIES

LOOK FOR THE AD. OF THE

# IRIPLEIS

In NEXT WEEK'S Issue

## Wholesale Flower Markets

| CHICAGO, March               | 25                    |
|------------------------------|-----------------------|
| Roses, Beautles per doz. 1.0 | 0@4.00                |
| " Brides                     | ., 3 <b>r</b> 0@ 5 00 |
| " Meteors, Bridesmalds, Ka   | alserio.3.Ct@ 5.U0    |
| " Perle, Gontlers            | 1.00a 3.00            |
| " La France. Testout         | 4.00@ 8.00            |
| Carnations, common           | 1.10@ 2 00            |
| " fancy                      | 2.00@ 5 D0            |
| Violets                      |                       |
| Narcissus, Romans            | 2.00@ 3.00            |
| Callas                       |                       |
| Harrisil                     | 6 60@ 8.U             |
| Lily of the valley           | 2 0000 3 00           |
| Tuilps                       | 1.0067 4.00           |
| Von Sions                    | 2 0                   |
| Hyacinths                    | 3,0020,600            |
| Adlantum                     | 1.00                  |
| Adlantum<br>Smllax           |                       |
| DIMINA                       | 40 00c; 75 00         |
| Asparagus                    | 40.0009 10.00         |

Consignments Solicited.

All Florists' Supplies.

19 & 21 RANDOLPH STREET, CHICAGO. Fine Stock a Specialty.

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JOHN DONALDSON, Secretary.

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Cood Money for your Flowers.

Cood Flowers for your Money 49 WEST 29TH ST. NE TELEPHONE 1675 38th St. NEW YORK.

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Wholesale Growers of

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WHOLESALE GROWERS OF

## ...CUT FLOWERS...

800,000 feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are fleadquarters for fine American Beautles. Give us a trial and convince yourself. & & & &

## ROOTED ROSE CUTTINGS

| BRIDE           | §1,50 | #19.5 |
|-----------------|-------|-------|
| BRIDESMAID      | 1.50  | 19.5  |
| PERLE .         | 1.50  | 12.5  |
| METEOR          | 1,50  | 13.5  |
| KAISERIN .      | 1.00  | 13.5  |
| BELLE STEBRECHT | 0.01  | 12.5  |

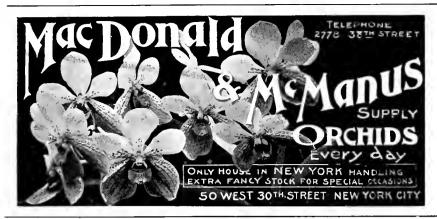
### ROSE PLANTS

| •              | • | • |     | •  | •  | _ | _ |    |    | •  |   |    |   | - | •  | •  | • |    | •  | - | -  | - |      |     |       |       |
|----------------|---|---|-----|----|----|---|---|----|----|----|---|----|---|---|----|----|---|----|----|---|----|---|------|-----|-------|-------|
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| Meteor         |   |   |     | Ċ. |    |   |   |    | Ξ. |    |   |    |   |   | ٠. |    |   |    | ٠. |   |    |   | 83   | Dil | 820   | 100   |
| Perle          |   |   |     |    | ì  | Ġ |   |    |    |    | ı |    |   |   |    |    |   |    |    |   |    |   | 3    | DO  | 25    | UK    |
| Bride          |   |   |     |    |    | ï |   |    |    |    |   |    |   | , |    |    |   |    |    |   | ٠. |   | 2    | 50  | 1343  |       |
| Bridesninld    |   |   |     |    |    |   |   |    |    |    |   |    |   |   |    |    |   |    | ٠. |   |    |   | . 2  | 50  |       | : 541 |
| La France      |   |   |     | ì  |    |   |   |    | į, |    |   |    |   |   |    |    |   |    |    |   |    |   | . 2  | :50 |       | . 50  |
| Katserin       |   |   |     |    | ٠. |   |   | ٠. |    |    |   |    |   |   |    | ٠. |   |    |    |   |    |   | . 12 | 50  |       | .50   |
| Belle Stebrech |   |   |     |    |    |   |   |    |    |    |   |    |   |   |    |    |   |    |    |   |    |   |      |     |       | : 50  |
|                |   |   |     |    |    |   |   |    |    |    |   |    |   |   |    |    |   |    |    |   |    |   |      |     |       |       |

### ROOTED CARNATION CUTTINGS.

|                  | per 100 per 1000 |
|------------------|------------------|
| JUSILEE          |                  |
| Win Scott        | 1 00 7.50        |
| Nancy Harks,     | 1 00 7.50        |
| Tidal Wave       |                  |
| Portla           | 1 00 7.50        |
| Lizzie McGowan   | 1.10 7.50        |
| Koldnoor         | 1 00 7 10        |
| Goldfineh        | 1.00 7.50        |
| Mra Thompson     | 1 00 7 50        |
| Imybrenk         | 1,50 12.50       |
| Emma Wocher      | 1,50 12 50       |
| Meteor           | 1.60 12.60       |
| Lizzie tillbert  | 1 50 12 50       |
| Harrison's White | 1 50 12.50       |
| Bridgenuald      | 1 50 12 50       |
| Nives            | 3.00             |
| Market 11111     | 4 100 375 100    |

51 WABASH AVENUE. CHICAGO. REINBERG BROS..



### M. A. HART. Commission of the Cut Flowers. 44 WEST 29TH STREET,

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### TRAENDLY & SCHENCK, Wholesale Florists.

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

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# FRED.

No. 1403 Fairmount Avenue.

Telephone, Long Distance.

PHILADELPHIA.

## Wholesale Flower Markets

| NEW YORK, March 23.                     |
|-----------------------------------------|
| Roses, Beautles 6 00@40.00              |
| " Br.des. Bridesmaids 2 00% 6 00        |
| " Testout, Carnot 3 00@ 8.00            |
| " Morgan, Meteor 2.00 g 6.00            |
| Carnations 1.00@ 1.50                   |
| " fancy                                 |
| Lily of the valley                      |
| Mignonette                              |
| Violets                                 |
| Harristi, Callas                        |
| Daffodlis, Tullps                       |
|                                         |
| BOSTON, March 22,                       |
| Roses Beauties                          |
| " Brunners 6.00@25.00                   |
| " · Perie, Niphetos 2 00@ 4 00          |
| " Brides, Bridesmaids Carnot 2 00@ 8 00 |
| " Morgans, Meteor 4.00@ 6 00            |
| Carnations                              |
| Carnations                              |
| Viulets 25@ .40                         |
| Harrisil, Calia 5.00@ 8 00              |
| Tuilps 1.50@ 3.00                       |
| PHILADELPHIA March 23.                  |
| Roses, Beauties, select, per dozen3.00  |
| " medium 6.00@15 00                     |
| " Brunners                              |
| " Teas 4 00 % 10 00                     |
| Carnations 1 00@ 1 50                   |
| fancy                                   |
| Lily of the valley, 3 00@ 4.00          |
| Violets                                 |
| Narcissus,                              |
| Hyacinths                               |
| Harristi                                |
| Sweet peas                              |
| Smtlax                                  |
| Emitax 12.00@10.00                      |

# 1612-14-16 LUDLOW ST. PHILADELPHIA, PA

## John I. Raynor,

49 WEST 28th STREET.

-NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

**Record Breaking Carnations** ALL THE YEAR ROUND.

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\* \* Wholesale Florist

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### ORIST.

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application

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Will find a good market and good returns for their stock at....

JULIUS LANG'S 53 W. 30th Street. - NEW YORK.

Edward C. Horan. 34 W. 29th Street, NEW YORK,

## WHOLESALE • FLORIST.

Careful Shipping to all parts of the country Price list on application.

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### CITY HALL CUT FLOWER MARKET. 9 Chapman Place, 15 Province Street, BOSTON, MASS.

BROS.

ed separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

### J. K. ALLEN, Wholesale Florist.

WHITE VIOLETS, finest quality, EXTRA ROSES and other desirable specialties.

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NEW YORK.

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AND DEALERS IN ALL

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and all other choice cut flower stock.

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### FRANK MILLANG, CUT FLOWERS.

WHOLESALE COMMISSION.

408 E. 34th Street.

Cut Flower Exchange.

NEW YORK.

### Dahlia Notes.

A CORRECTION.

I am in receipt of a letter from Messrs. E. H. Krelage & Son, of Haarlem, Holland, under date of February 25, 1898, from which the following is an extract.

"Referring to dahlias we may be permitted to say that the statement in the AMERICAN FLORIST of January S which refers to Prof. Bailey's visit to our nurseries, is not quite correct. The true cactus dahlias are now preferred to the 'decoratives.' The latter are excellent for bedding, but the former are superior for show and cutting purposes. We think the term 'decorative' to be better than the German 'Cactus dahlien hybriden,' which may lead to confusion and does not mean anything. The number of true cactus dahlias introduced in 1897 was about fifty and there will be as many as seventy novelties in this class this year. Probably a dozen will prove to become standard varieties of the future."

The italies in the clause beginning "Which may lead," etc., are mine. I have introduced them to emphasize the evident position of the Messrs. Krelage in regard

to the use of the terms "cactus" and "decorative" and because I most heartily endorse them, only in America confusion already exists. The extract occurs in a private business letter and is all that refers to the subject and was not suggested by anything in the previous correspondence. It is therefore highly interesting as showing the evident desire of the Messrs. Krelage to be placed right on the record.

### Old Orchard, Mo.

If I may thus express it, Mr. H. E. Michell seems to be right "in it" in so far as the cultivation of palms and ferns is concerned. The plant formerly belonging to Wm. Trillow, comprising eleven houses, and originally built for roses, has been completely remodelled and adapted for palms, it being Mr. Michell's intention to give a deal of his time to this branch.

I may mention, in passing, that the cultivation of palms in this latitude is as yet in its infancy, and though some attemps have been made, with more or less success, to grow a few latanias, none, to my knowledge, have ever experimented

upon a general stock, such as kentias, Areca lutescens and ferns. Mr. Michell's venture, therefore, seems to be of the right sort.

What impressed me most favorably about the place was the strong, healthy and vigorous growth of the stock. What is generally termed as "drawn" plants were conspicuous by their absence. His ferns especially are in the best of condition.

A honseful of latanias in 4 and 5-inch pots were very interesting, being remarkably clean and healthy. Taken all in all my visit to Old Orchard was an enjoyable-treat.

### Carrolton, Mo.

The Hillside Greenhouses, owned by Kennedy & Farnham, were badly damaged by hail on the afternoon of March 18. About 3000 feet of glass was lost; there was no insurance. Single strength glass suffered the most. The stock was not injured to any great extent.

Geo. W. Kennedy.

# Garnations, Violets, Lily of the Valley

And ALL OTHER FLOWERS at Lowest Market Rates . . . .

FOR EASTER

## **CARNATIONS**

A SPECIALTY

WE control more carnations than any house in the country and can fill orders Large or Small.

HARRISII to SUPPLY ALL

## Harrisii In Great Numbers!

SMALL AND LARGE ORDERS BOOKED ON HARRISH.....

Order of us any kind of Rooted Carnation Cuttings. We will get them for you. Special line of Bulb Stock for Easter. \* \* Get your orders booked. \* \* \*

## HARRISII FOR ALL!

Lily of the Valley

WESTERN AGENTS for E. G. Asmus' high grade stock. Best and most uniform grown.

### **TULIPS**

of all kinds. & Klehms Novelty a Specialty. & & &

See our Price List for Easter in all trade papers. Book orders early, as we fill in rotation.

Write for Catalogue and Cut Flower Price List.

## KENNICOTT BROS. COMPANY,

FONG DISTANCE TELEPHONE Express 466.

88 Wabash Avenue, CHICAGO.

ROOMS 22 & 23

## GRAND NEW VIOLET "LA FRANCE"

STRONG VIGOROUS GROWER EXTRA FREE FLOWERING

1 the many new Violets introduced in the past few years this, the latest introduction of the foremost Trench specialist, is unquestionably the BEST. It has been thoroughly tested by Mr Suprot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom and in size and coloring it is superior to all existing sorts, and will soon supersede them. Only a limited stock will be offered this season, and orders will be filled in strict rotation.

Price, \$1.25 per dozen: \$10.00 per 100.

HENRY A. DREER, 714 Chestnut Street, PBH ADELPHIA, PA.





# **JADOO**



Extracts from Letter of March 15, 1898

# Wm. Wallace Lunt, Esq.

16 OLIVER ST., BOSTON, MASS.

".... Experiments with other plants are just as satisfactory, notably with Rubbers, Fuchsias, Gloxinias and Ferns.

"..... If Horticulturists have brains and are willing to use them, by all means grow your plants in JADOO, but if you are going to grow plants on the hit-or-miss plan, let it alone."

WHERE TWO MEN GROW THE SAME PLANTS IN JADOO, AND ONE SUCCEEDS WHERE THE OTHER FAILS, IS THE FAILURE THE FAULT OF THE JADOO OR THE GROWER?

For the results obtained from the intelligent use of & & &

# Jadoo

By practical growers, address 🚜 🚜 🚜

# THE AMERICAN JADOO COMPANY,

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Mention The American Florist.

# CANNAS ES CANNAS

#### THE FINE NEW BEDDERS

PRESIDENT McKINLEY, PRESIDENT CLEVELAND, DEFENDER, TARRYTOWN,

At 60 cts, each; \$5 00 per dozen; \$40.00 per 100 from 4-inch pots,

# Also a Fine Stock of Strong Dormant Bulbs.

Queen Charlotte, Mme. Crozv, Florence Vaughan, Chas. Henderson, A. Bouvier, Egandale, Ami Pichon

At \$2.50 per 100; \$20.00 per 1000.

M. Mesnier, L. E. Bally, Midway, Admiral Avellan, Prest. Carnot, J. C. Vaughan,

\$3.00 per 100.

**ELDORADO**, Alex. Billard, Chicago, Burbank, Count de Bouchard, Souv. de Prest. Carnot,

\$4.00 per 100; \$35.00 per 1000.

Souv. d'Antoine Crozy, Papa, John White, Italia,

\$5.00 per 100; \$40.00 per 1000.

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# FLORISTS, SEEDSMEN, NURSERYMEN

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# CORNELIUS S. LODER

SECRETARY.

(Notary Public)

\_271 Broadway, NEW YORK.

#### Why Some Carnations Fail.

There is one thing positive about this carnation business, and that is the impossibility to judge a carnation by one season's trial, unless it be such a rank failure that the condemnation be so general as to remove all doubt.

Mr. Herr may be right as to the cause of failures among the common herd, but I think there is another cause, at least from my experience. Very few of the general run of florists care to invest very heavily in any seedling at its first introduction, and when they do buy it is only a few plants. Should the first flowers strike their fancy, then they are worked for all there is in them; the plants are immediately stripped of everything that looks like a cutting; this process is kept up all the time, even the first cuttings are cut back or down to the pot in order to give another cutting. The main object seems to be quantity, and just so the highest possible number is reached is all that is thought of. The next season many plants are weak, give a larger percentage of poor flowers, and show no vigor until spring, by that time the soil has become sour and it is again an uphill business for the poor plant. It is spoken of as a variety that will produce a few nice flowers, but it does not pay to grow it, and out it goes; and they hang on to Snowden, Hinze's White, or some other

I remember the first batch of Hector that I handled as they came from the florist (fifty in all). They were boxed and transplanted to the field with the rest and seemed to do well. I did not see them housed, but knew about the exact treatment they received. I heard later that they had proven an utter failure, and to my understanding I thought Hector (from the report) a fizzle. You may imagine my surprise last fall while attending the Indianapolis show of seeing my old friend Hector in all its glory, and I thought it was as fine a bunch as there was at the

back number. I have seen Scott thrown out because two plants were treated just

as I have described, and such a failure as

Mrs. Garfield kept in its place.

show of its color.

While condemning carnations, why not roses? How many really can grow first-class Beauties? Yet no one will dare say that Beauty is no good. Look at the scrubby Brides, Perles and Bridesnaids you run across, and that does not condemn roses. Growers make every effort to comply with the general wants of a rose; build houses for one kind and import a certain soil; but with a carnation it is different. They are all dumped into one house, given a general treatment, and if they stand they are O. K., if not, they are called a fraud or humbing.

A. F. WIENOLD.

#### Kirkwood, Mo.

There are violets and violets. Those that I saw at the Ude Brothers' establishments during a recent visit are well worthy of the name. Seldom have I seen anything to equal them. The Californias especially are grown with remarkable success, and between the three brothers, F. W., H. G. and C. M. Ude, it would be hard to determine who is really the most successful grover.

successful grower.

Mr. F. W. Ude also grows carnations, and some of the best that the St. Louis flower market affords come from his place. His Daybreaks, Jubilees and Scotts never go begging. A white Daybreak is one of Mr. Ude's latest acquisitions. It is a sport of Daybreak, and like the latter it bids fair to make its mark.

Homo.

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BUY DIRECT FROM THE GROWERS.

# Bassett & Washburn,

\* \* \* WHOLESALE GROWERS OF AND Cut Flowers
... DEALERS IN

# HARRISII LILIES

25,000 for Easter. We have the largest and finest stock in the West. Our long experience in handling these lilies enables us to deliver them in the best condition. We guarantee them to arrive without bruising if shipped in boxes of 75 or 100, direct from our greenhouses without repacking. Price \$10.00 to \$12.00 per 100.

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50,000 plants to cut flowers from and they are now in full crop. A very large quantity of Brides, Kaiserins, Bridesmaids, Meteors and Perles, all our own growth.

# FANCY CARNATIONS

as well as good common sorts. A A A A A A

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15,000 extra choice cold storage pips at three cents. This is fresh cut every day. A A

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3000 strings at 30 cents per string. A A A A A

# SMILAX....

is very scarce and \$2.50 to \$3.00 per dozen, but we shall have 3000 strings. \* \* Our flowers are all carefully chilled before shipping. Write us for our weekly price list.

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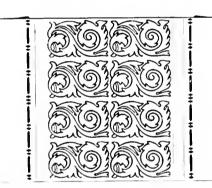
# THE AMERICAN FLORIST

For twelve years the representative paper of the Florist, Nursery and Seed trades.



# ==SPECIAL== EASTER NUMBER

APRIL 2, 1898.



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FLORIST for this date will be sent to all the new names obtained for the 1898 Directory, which is compiled at this office, and will be mailed to 13,000 buyers of florist, nursery and seed stock and supplies.

No extra charge for advertising space in this number and the usual discounts for time contracts will be given.

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324 Dearborn Street, CHICAGO.

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is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

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#### Cypripedium William McKinley. NEW HYBRID.

Cypripedium insigne Chantini  $\times$  C. Harrisianum superbum. This new hybrid has the blood of three distinct species, C. Harrisianum itself being of hybrid C. Harrisianum itself being of hybrid origin, being C. barbatum × C. villosum, which too claims the distinction of having been the first hybrid cypripedium ever raised. Thus it is seen the new one under notice has C. insigne Chantini as the seed parent, and the influence of C. barbatum and C. villosum imparted to it through the pollen parent, with the it through the pollen parent, with the result that excepting the color, which it imparted to its hybrid C. Harrisianum, the species C. barbatum is wiped out; in the next resultant hybrid, C. cenanthum, it is the species C. villosum which becomes obscured, whilst in the new hybrid William McKinley theinfluence of C. villosum returns in such force as to make itself noticeable in a very marked degree.

The following technical description will give a good idea of the principal characteristics. Foliagelong, broad and spreading, bright green with a darker green tessellation and slightly spotted at the outside base; flower scape green, minutely side base; nower scape green, ininitely spotted with purple brown, very hirsute, bract apple green, speckled at the base; ovary pale green, densely hirsute along the ridges; the dorsal sepal measures two and one-half inches deep by two inches in breadth, delicate green with many well defined lines of minute brown spots, here and there broken up by larger ones, and a venation of darker green which ramifies in every direction; the whole dorsal sepal is broadly margined with frosted white, which same crystal effect is observed over the entire flower; basal sepal very large, very delicate pale green over which is very prominent darker green venation, lined at the base with small blackish spots, tipped with white and that same crystalloid effect which is indeed so charming; petals five inches across, very broad, golden bronze netted and shaded with bright chestnut brown, inferior with bright chestnut brown, interior halves near the base spotted with rich brown; lip very large, beautifully formed, yellowish green shaded with fawn brown on the face and which spread in nerves over the entire surface, the orifice is lined with short hairs on the golden yellow rim; staminode granulose golden with a faint green base.

It will be seen that the affinity this hybrid has with others of similar parentage is entirely wiped out or so obscured as to preclude its being taken for a variety of them, and it had the qualifications necessary to obtain a first-class certificate from the Massachusetts Horticultural Society on January 22. It is dedicated to William McKinley, our President, by the possessor and raiser, Mr. C. G. Roebling, of Trenton, N. J., and who had desired it named in compliment to a man well known in public life.

HENRY T. CLINKABERRY.

#### Niagara Falls, N. Y.

A fine central location in this city has been secured by W. J. & C. J. Biggar on which they will—this season—erect new modern greenhouses and necessary building for their retail florist business. They contemplate heating by electricity. Indreamed of possibilities are here in store, only awaiting development in the use of electric heat, power and light for greenhouse purposes. This will be the only establishment of the kind in the United States, if not in the world, and the result will be looked for with interest.

# Palmer's Hot Bed Mats FROST PROOF

Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds. Indestructible, Cheap and Warm

WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

#### MADE IN FOLLOWING GRADES:

No. 1—Burlap Ctoth, filled with combination wool and quilted, seams 3 inches apart and edges firmly bound.

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Made any length, 76 inches wide, at 12 cents per running foot.

No. 2-Duck Ctoth outside, filled and quilted

No. 2—**Duck Cloth** outside, filled and quitted same as No. 1.

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That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.



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Or New London, Conn.

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THIS IMPRINT ON AN ENCRAVINC

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C. S. LODER, Sec'y, 271 Broadway. New York.

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Do the American Florist a small favor. Mention the paper when writing to advertisers.

#### THE SEED TRADE.

#### AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-res.; S. F. Willard, Wetbersfield, Conn., Sec'y

VISITED CHICAGO:-M. G. Madson; J. E. Northrup, J. O. Littlejohn.

SWEET PEA crops are reported damaged by frost in some sections in California.

ENGLISH GROWERS report that roots of early garden turnips set out for seed have been seriously injured by recent severe frosts.

#### Outlook for Seeds in California.

The long looked for rains have not come as vet, and the seed growers are no further ahead than they were two months The cold frosty nights and the dry north winds during the day have taken all the moisture out of the ground. It is very probable that there will be many short crops this season, in fact this is one of the worst winters that our seed growers have ever experienced. Onions, lettucc, etc., are all at a standstill, and unless an early rain comes the damage will be very great. METEOR.

#### Cut Flower Price Lists Received.

Kennicott Bros Company, Chicago; Bassett & Washburn, Chicago; W. A. McFadden, Cincinnati; St. Louis Cut Flower Co., St. Louis; Vaughan, Me-Kellar & Winterson, Chicago; Holton & Hunkel Co., Milwaukee; H. L. Sunderbruch, Cincinnati.

KEOKUK, 1a. - Christian Leslie has re-opened his city greenhouse at 25 North Fifth street.

#### 1878

NEW Price List for If you have not re-Will mult you list illustrated descrip-



-1808 SPRING and SUMMER ceived, send Postal, and beautifully tive Catalogue.....

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Wholesale Price List for Florists and Market Gardeners

#### August Rölker & Sons,

Spring Bulbs, Florists' Supplies, **S**E

ITIPORT ORDERS booked now for foreing Bushs Azalean, Life of the Valley, etc., for fall delivery, send for terms to

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NEW - GIANT - ESCHECHOLTZIAS,

# "THE GOLDEN WEST."

New Grant Fancy Cosmos, six splendid varieties, separate 11 or Grant Cosmos splendid mived, 65 or Califopsis California Sunheams "41 or Special rates given on Cosmos in quantity; Apple Gerantum fresh 41 per 1000 seeds, New Large Freeweing Zonde Gerantum #150 or, Ipomos, Heaven's Rue 41 or 412 lb, Laurostinos urandiffers 41 or Zinnas New turled and created 50c or 45 lb., Nasturium Good Venture Mixture, 60c ib 48 per 15 lbs Seaforthia elegana (Paim) 40c per 100 seeds 43 per 1000 seeds Send for trade list of Seeds, Plants, Bulbs and Cacit

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Juniper, below Walnut, - PHILADELPHIA.

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Can profitably handle our Packages of Plant Food. Attractive, take little & & Manager Shelf room. Valuable & Manager Shelf room. Good profits.

The WALKER FERTILIZER CO. Clifton Springs, N. Y.



We beg to inform our customers that we have removed to

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Write for quotations on

JAPANESE BULBS, PLANTS AND SEEDS for fall delivery.

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Plants, Bulbs & Requisites.
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# Seeds, Bulbs Plants,

501 TO 503 W. 13TH ST.,
NEW YORK CITY.
Send for quotations on all Florists' Bulb Stock.

SEND ADVS. **OUICK** TO BE IN TIME FOR OUR SPRING NUMBER TO BE ISSUED NEXTWEEK.

#### Buffalo.

The recent annual meeting and banquet of the Florists' Club seems to have infused new life into that organization and they are going ahead with some of the old-time vigor. The executive committee met on Friday last and made good progress with the preliminary arrangements for the fall show. It is hoped that when they report to the club at its next meeting they will have the skeleton of a schedule ready for approval.

Great activity seems to prevail in the North parks just now. Superintendent Brothers has had a large force at work at Delaware Park. He has disposed of all the sheep and destroyed all the evidence of their existence that he could lay his hands on.

Strong pressure is being brought to bear on the park commissioners, by lovers of fast horses, to induce them to set aside some portion of Delaware Park and construct a speedway thereon. So far the committee has declined to grant the prayer of the petitioners, but they favor buying a plot of land adjoining the park and using it for a speedway and for general athletic grounds. They feel that to construct such a speedway within the confines of the present park would destroy what it has taken years to create, and it is probable that the introduction of the fast horse unlimited would detract from that restfulness which is now the feature of the park.

Visits to the park propagating houses show them to be overflowing with bed-ding plants. At Delaware Park, under the care of Mr. Braik, everything is in nice order, and preparations are being made to grow some fine plants for the decoration of the houses after the spring stock is planted out. At Stony Point as nice a lot of bedding stock as can be found in the country may be seen. Frames have already been used to relieve the over-crowded benches. The space under the benches in one house we noticed was filled with a fine lot of young conifers, from cuttings, to be used in replenishing the park nurseries. I noticed also a large and very fine stock of Farfugium grande, and an extensive collection of cotyledons, etc., in a dozen or more species, including some very pretty and rather rare ones, such as C. Hoveyi, C. agaveoides, C. De Smetiana, etc. C. De Smetiana is used extensively and is very pretty. On the whole the stock is extra fine and reflects great credit on Mr. Roderick Simpson, who has charge of it.

We had the pleasure of a visit from Mr. Elmer D. Smith during the past week. He was on his way home from the executive meeting of the S. A. F. and O. H.

#### Santa Barbara, Cal.

Charles Sexton and Paul Higgins were instantly killed by an explosion on the morning of March 16. The accident was peculiar as no one witnessed the occurence. The verdict returned at the investigation was that death resulted "by accident, resulting from an explosion of some explosive confined in a piece of 1-inch pipe.

Paul C. Higgins was a native of Illinois. He leaves a wife and two children. His father owns one of the finest ranches in the valley.

Charles E. Sexton was well known here, where he was for many years employed in his father's floral business, and two or three years ago became the junior partner. He was unmarried.

# 100 ACRES IN TREES AND Deciduous Evergreen, Hedging, Vines, Bulbs, Tubers, Etc. SHRUBS

NEW 1898 CATALOGUE, 40 PAGES, FREE.

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The only hardy yellow Companion roses to Crimson Ram-bler, similar habit The only bardy yellow climbing rose. bler.similar borner light red. Clear light red. manuer of bler. White Ramb er (Thalia) pre white. borner light red. long very ons; bardy.

Lord Penzance's Hybrid Sweet Briars.

of growth and manuer of bloom-ing, very vigor-ons; hardy.

Lord Penzance's Hybrid Sweet Briars,
\$1.75 per 10; \$15 00 per 100. Extra strong
field-grown, dormant plants.

Varieties:
Amy Robsart-lovely deep rose. Anne of Ceierstein-osek crimson. Brenda-maldenk blush or
peach. Flora M'Ivor-pure white, blushed rose.
Lady Penzance-tb beautiful, soft that of copper
with a peculiar metallic matre. Lord Penzance(b) soft shade of fawn or cerue passing to a lovely
emerald yelluw Meg Merrilees, gorgeous crimsun. Rose Bradwardine-beautiful clear rose,

## ROSES, COMMON SORTS.

Strong, field-grown, dormant plants, \$10 per 100. We can still offer, in nice assortment, some extra line plants at the above price. List of varieties

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Madame Plantier, Russell's Collage, climbing, crimson: Tenn. Belle, climbing, blush: extra beavy dormant plants, on own roots, two years old, \$5

#### TREE ROSES.

5 to 7 ft., extra fine, \$3.50 per 10; \$25 per 100. Crimson, Pink, Rose Red, White, Yellow.

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Varieties of Begonia Semperflorens of which "Vernon" is perhaps the best known are sainfulk new friends every year, and are holding on to the old ones.

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| Aster Seed | s       | only       | 1.00 per oz.   |
| Pansy Seed | ls      | only       | 1 00 per oz.   |

THE MORRIS FLORAL CO., Morris, III.

# Aster Seed

Semple's celebrated strain of Asters. Finest in the World. Mixed colors, pink, white and layen-der. Also a small quantity of pink separate.

JAMES SEMPLE.

BOX 2 ...

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ROEMER'S Prize Pansies; extra line stock plants from cold frames, in bud and bloom; transplanted in September; plants measure from 2 to 4 mehes in danacter; by express transplanted in October, 75e per 100, \$5,00 per 1000, cash with order sample plants fiets.

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This wooden box nicely stained and var-nished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters 1 % or 2-inch size, per 10, \$2.00 Script Letters 14. Fastover with each interpressord. I sed by leading forists everywhere and for sale by all wholesale forists and supply dealers.

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# Folding Boxes and Wax Paper

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# HARDY CUT FERNS



FANCY

DAGGER

Do not order any ferns unless you are willing to pay this price as my stock is very limited and I have hardly enough now to carry my old stand-by

L. B. BRAGUE, Hinsdale, Mass.

LEUGOTHE of all wholesale florests or write the Introducer for free samples and information ..... SPRAYS... Samples and mon......

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## H. BAYERSDORFER & CO.

Cycne Wreathe, Moss Wreathe, Ferneries and Jardinieres, Wheat Sheaves ond Immortelles.

New Catalogue of all FLO ASTS' SUPPLIES on application. \$ # For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 55 N 41h St , PHILADELPHIA, PA.

John Conley & Son,

2 AND 4 DOMINICK STREET,

\_New York.

#### Bench Culture of Adiantum Cuneatum.

What soil should I use for the bench culture of Adiantum cuneatum; how far apart should the plants from 4-inch pots be set, and when is the best time to plant? What is the best way to keep slugs out of fern houses?

CUNEATUM. fern houses?

The bench culture of Adiantum cuneatum requires a compost of fairly good quality, the object being to produce an abundant growth of sturdy fronds, and these to be of good substance. There is no better soil for this purpose than good loam mixed with some short and wellrotted manure, using the latter in the proportion of about one part to six or seven parts of soil. Fresh horse manure should not be used in this connection, as it contains too much ammonia. Four to six inches is a sufficient depth of soil for the bed, and it is best to have the hottom of the bench sufficiently open to allow of thorough drainage. Plants from 4-inch pots should be planted fifteen inches apart, and if planted about the middle of April or even May 1, such plants ought to cover the bench well by the fall.

A light shading will be an advantage on the house during the hot weather, but should be allowed to thin off before the fronds are needed, else the growth may be too soft. Give plenty of ventilation throughout the summer, and after the plants are established an abundance of water will be needed.

It is a difficult matter to keep slugs out of fern houses entirely, but the most effectual remedy I have used is pulverized camphor, this being sprinkled among the plants rather sparingly; used in this manner I have never seen any injurious results W. H. TAPLIN. to the plants.

#### Little Beauty Fuschia.

ED. AM. FLORIST:-Will you please send me the address of the originator of the Little Beauty fuschia.

JOSEPH HILLYAR.

Little Beauty was originated by Mons. Victor Lemoine, of Nancy, France, and sent out under the name of Gracieux. Brittenbough Bros., of Bennetts, Pa., had it from us and named it Little Beauty.

A. T. SIMMONS.

BUY YOUR ASPARAGUS PLUMOSUS SEED DIRECT FROM THE GROWER......

J. W. LANDEVILLE, Florist, SAN DIECO, CAL. 535 (7th Street.



April 2...

IS THE DATE OF THE

Easter Number

# reca Lutescens

| 3   | Plants | . 6-in. | Pot, | 24 to 32-in | . high. | very | bushy, | , each | <br>\$1 00 |
|-----|--------|---------|------|-------------|---------|------|--------|--------|------------|
| - 3 | • •    | 7-in.   | • •  | 32 to 36    | 4.      |      |        |        | <br>1.50   |
| - 3 | - 1    | 8-in.   | 6.7  | 36 to 42    | 6.6     | 6.6  | 4.4    | 6.0    | <br>2 00   |
| - 3 | 4.6    | 8≁in    | • •  | 42 to 48    | 4.6     |      | 4.4    | * *    | <br>2 50   |
| 1   | **     | 10-in.  | * *  | 4 to 5-ft.  | high,   | 1+   | 4.1    |        | <br>5.00   |

# Phila., Pa.

# DECORATIVE PLANTS

JOHN H. LEY, Good Hope, D. C.

Solicits early orders for following fine stock: NEPHROLEPS, O. Furcans
Very large, full of fronds, 3 feet over
(6-lneb pots, fit for 8-lneh,..... 1.00 9.00

# ROBERT CRAIG

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA, PA. Markot and 15...

## ASPARAGUS SPRENGERII

## ASPARAGUS PLUMOSUS

Strong 3-in. plants......6.00 per 100

The Conard & Jones Co. West Crove,

Crowing and Importing of ORCHIDS

Our Specialty. Correspondence Solicited.

LAGER & HURRELL, - Summit, N. J. Mention American Florist.

Hydrangeas

FOR & & &

Fine plants with 10 to 30 blooms per plant. 10 cents per bloom...

JOHN SCOTT, Keap St. Greenhouses,

# **Rose Hill Nurseries**

LARGEST Growers of Palus, Orchids, Stove and Greenhouse plants, Ferns, Aranearias, Pandanus, New wholesale price list will be ready March 20th.

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

# DWARF PAPAYAS

M<sup>OST</sup> magnificent bedding and decorative-plant known. Equal to a palm in beanty and manner of growth; grows with the ease of the Ricinus and endures drought with impunity. Plan s from 4-in, pots set ont Jnne 1st attained a height of 10 feet and though not watered once, remained fresh and vigorous throughout the extreme drought. Also produces a delicious fruit; as easily grown as a tomato. Our plants are propagated from a tree which has produced this winter 192 lbs. of fruit, the largest weighing 12 lbs. Send for half-tone illustration from photo showing bed of these plants. Every florist needs it. Price \$2.25 per 12 for 3-in. pots, ready May 1st. We are headquarters for tropical plants. Send for list.

Martin Benson, DONGOLA, ILLINOIS.

# LARGE FOLIAGE PLANTS

Areca Lutescens, 8-inch, \$2.00; 9-inch, \$3.00 each. Latania Borbonica, 8-inch, \$2.00; 9-inch, \$3.00; 10-inch, \$4.00, and 12-inch, \$5.00 each. Pandauus Veitchii, 6-inch, \$1.00; 7-inch, \$1.50; 8-inch, \$2.00, and 10-inch, \$4.00 each. Pandanus

COOD STOCK. JOHN WELSH YOUNG, - Germantown, Pa. 

# Stock Plants

A few hundred extra strong clumps in 6 and 7-inch pots for sale Cheap for Cash to make room.

JOHN N. MAY,

Receiver for PITCHER & MANDA SUMMIT, NEW JERSEY. 



per 100 1000 3000

COCOS WEDDELIANA. 81.00 87.50 820.00 LATANIA BORBONICA . 50 8.00 7.50 820.00 ENTIRE BELMOREANA . 1.00 7.00 20.00 SORREAD STANDARD 
J. L. SCHILLER,

404 E. 34th St..

NEW YORK CITY.

#### Helpful Reminders.

The last week of March should find pansies uncovered and cleaned, with ventilation and watering attended to constantly. The same is true of forget-me-nots, daisies, etc. If any considerable number have failed it is best to transplant the good ones all in one end and use the balance of room for later sown seedlings.

You will have call for lilies this spring. It is best to order a few each of the popular varieties. Pot them now and keep cool. You can supply your customers then satisfactorily; no danger of a bulb when nicely started in a pot. What are not sold come in nicely for summer cutting, and for this reason it is well to provide a larger number of Lilium auratum and L. lancifolium.

Sort out all your cannas now, pot them and give them a warm situation if you There is no harm in having early bloom, and frequently better sales are insured by the bloom showing. If you can not give them all room to come in early, make it a point to have some of each of your varieties in that will serve to take orders by. Go over all your odds and ends now, giving them a cleaning, a shift where necessary, or a top dressing; these "odds and ends" are very important. Oranges are coming in bloom. Ardisias and aspidistras are in bloom. Aralias and pandanuses are pot-bound. So many pretty things are let go unless you make a business of going through them at stated times

While you are examining your stock just before sale time make your calculations on what it costs per square foot of bench room to maintain your green-houses, and see if the stock you have for market is choice enough to bring it. This is a problem which should be considered with each lot of plants you have. You will find, usually, that one stock is so unprofitable as to consume the earnings of a profitable one. Find out at once which is the unprofitable. See that you have a few nice dracanas and phanix

for vase filling next month, also ivy geraniums, and get in plenty of choice nasturtium seed. Begin using fertilizer on your hydrangeas, spiraeas, and all stock with well developed roots, and which is wanted for show. If you have no white lilac or Hydrangea grandiflora in your garden for your own cutting, order at least twenty-five of each at once so as to get them planted in April.

C. B. W.

#### Rochester, N. Y.

Cut flower trade is very dull at present, and if it was not for the several spring openings in the larger department stores, where plants and flowers are used quite liberally, the florist might as well give a vacation to one-half of his employes.

Prices are low and uncertain; the favorite plan of buying now is in job

Plant sales are only fairly good lately; the stores are lavishly provided with large assortments in variety; the windows are attractive everybody must admit, but sales might be better.

Nurserymen have been busily engaged digging trees and packing orders for over two weeks. The early opening of the ground has always been looked upon as indicative of an increase in sales, and present appearances point that way. Some of our firms are greatly troubled over the unjust action of Canada prohibiting all shipments of nursery stock from the United States. The San Jose scale scare seems to affect all countries alike, and they make no discrimination as to localities; our nurserymen have a vital interest in keeping their stock clear of all such pests; they have taken every possible precaution, and to my knowledge there has not been a single instance yet in our locality where any nursery stock has been found to be infested.

Driving through our parks last week I noticed that a great many of the trees and shrubs have been provided with good sized labels, the lettering is distinct and

sharp so that it can plainly be read from quite a distance; both the botanical and Énglish names are given. J. B. K.

TORONTO, ONT.—Fire damaged the stock and fixtures of J. 11. Dunlop's place on King street to the extent of \$1,500 on March 5. Mr. Dunlop will continue the florist business and fill all orders without interruption.

# **Special Easter Number**

THE issue of the American APRIL 2 Florist for . . . . APRIL 2 will be the annual Easter or Spring Number, and will be sent to all the new names obtained for the 1898 Directory.

# New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MR\* JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

per 100, \$70.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Angyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Psyche (Hill), Pantled Lady
(Hill), and Mrs. S. A. Northway Simmons).

All good 1897 novelties and other standard varieties
at reasonable prices.

#### New Chrysanthemums.

MRS. C. H. PEIRCE - Yellow.
3 ic each, \$3.50 per doz., \$25.00 per 100.
SNOW QUEEN - White.
5/1c each, \$5.00 per doz., \$35.00 per 100.
MERRY CHRISTMAS - Late White.
35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. DORNER & SONS CO. LAFAYETTE, IND.

# ALBA SUPERBA

Plants Now Ready \* \$10,00 per 100 60,00 per 1000

JOHN BURTON, Chestnut Hil. PHILADELPHIA, PA.

# ORDERS PLEASE

All the Leading Carnations Now Ready. Per 100 

THE MORRIS FLORAL CO., Morris, III.

#### **WEST ISLIP GREENHOUSES.**

CARNATIONS. Rooted Cuttings
Scott. Portla, McGownn, \$1.00 per 100 \$8.00 per 1000.
Daybrenk, \$1.50 per 100 Mixed Geraniums, from
Inta, strong plants \$15.00 per 1000. Mixed Cunnas,
dry roots of the following sorts: Alphonse Rouvier,
Mme, Croy, Clins. Henderson, Queen Charle He, Burbank, John White, etc., \$2.50 per 100 Cush with order.

E. B. SUTTON, Jr., Babylon, L. I.

#### NEW CARNATION....

# The largest, bright rich crim- Empress

Send for price list of above. New and Standard Sorts....

We have 1000 Baroness Rothschild Roses in 6 and 8-inch pots which will be in fine shape for Easter. Prices \$9 and \$12 per dozen.

Book your orders early to insure delivery.

J. B. Deamud

ILLINOIS CUT FLOWER CO.

51 AND 53 WABASH AVE., CHICAGO.

# 40 Fine Palms Ready For Sale

FOR \$5.00 12 Latanias 1-tien pro Kentins 6 Corypha Australis 6 Areca Lutescens 6 Areca Lutescens

snowing (wording ractor lengths)
3-inch pots
5-inch pots, 3 in a pot
5-inch pots, 1 in a pot
...3-inch pots, 1 in a pot

Rooted Cuttings of Lemon Verbinic Sulvia Splendens - Strong and selectorical (§1.10) per 100 (§ 20) per 1000

Calogs Go len Bester Nelly Grant and others 750 per 100 fatter of our 950 per 1000

mash a theorder some.



110 E. 4TH STREET.

——— Cincinnati, Ohio | WM. SWAYNE, Box 226, Kennett Square, Pa.

A PHOTOGRAPH OF OUR UNNAMED WINTER BLOOMING SEEDLINGS

# \$300

American Rose Co.'s

# **PRIZE**

For best Seedling Carnation for Winter Blooming.

# **Prize Money**

will be deposited with the American Carnation Society April 15, 1898 to be awarded by them at the

#### **ANNUAL CONVENTION**

Philadelphia, February 1899.

Send for circular giving full particulars to

P. O. BOX 422, WASHINGTON, D. C.

\$300



# \$300

# **COMPETITION**

must be by purchasers of at least

#### ONE HUNDRED

of our Seedling Carnation Plants

#### BUT

such purchasers are entitled to use in such competition our seedling plants or seedling selling plants of seedling selling sel

#### THEIR OWN

erestion.

The owner of the WINNER agrees to SELL it to the

# American Rose Co.

for the highest bona fide offer which would be accepted.....

10.000 strong plants ready April 15th, 1898 in 3-inch pots. Price per 100, \$15-00. Sample plant mailed on receipt of twenty-five

\$300

IS a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Yaughan, McKeller & Winterson's every Wednesday and Saturday.

THE SEEDLINGS WE SELL YOU ARE FROM HAND-FERTILIZED SEED OF THE SAME KIND.

# NATHAN SMITH & SON

Wholesale Florists

pecialties \*\*\* 36

ADRIAN, MICH.

CHRYSANTEMUMS
CARNATIONS

· · · CORRESPONDENCE SOLICITED · ·

# CARNATIONS

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices, Address

# CHAS. CHADWICK,

Lock Box II.

GRAND RAPIDS, MICH.

If corresponding with an advertiser at any time, say "saw your ad. in the American Florist."

# Kathleen Pantlind

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Premium—5 Red Wave with every 100 Kathleen Pantlind.

# HOPP & LEMKE,

Paul P. O., E. GRAND RAPIDS, MICH.

# 50,000 Flat-Grown GARNATIONS Daybreak STRONG STOCK. Per 100 per 1000 815 00 815 00 815 00 15 00

| Daymeak                              | \$4.00 | \$19 UU |
|--------------------------------------|--------|---------|
| Scott                                | 2 00   | 15 00   |
| Rose Queen                           |        | 15 00   |
| Tidal Wave                           | 1.50   | 12.00   |
| Portla.                              |        | 12.00   |
| Rob Roy (new)                        |        | 14.00   |
| Jubilee                              |        |         |
| Snow Queen                           |        |         |
| Silver Spray                         |        | 12.00   |
| L. McGowan                           |        | 12.00   |
| Eldorado, Meteor                     |        | 12.00   |
| Flora Hill                           |        |         |
| Triumph, Armazindy                   |        |         |
| Pinto, new, and Uncle Sam, new, both | 0.00   |         |
| varieties                            | 10.00  |         |
|                                      |        |         |

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

## 20,000 CHRYSANTHEMUMS.

2\(\text{define}\) pots.

Major Bonnaff in. \(\text{S}\) (0) per 100 or \(\text{\$15}\) (0) per 1000; Prevident Smith. Eda Prass. \(\text{\$15}\) (0) per 100 or \(\text{\$12}\) (0) per 1000.

Geraniums the best mixed varieties for bodding, \(\text{\$3\cdot}\) enon pots, showing buds \(\text{\$250}\) per 100 or \(\text{\$18}\) (0) per 1000; \(\text{\$18}\) enon pots, \(\text{\$20}\) oper 1000 or \(\text{\$18}\) (0) per 1000.

Cash with or der or satisfactory reference.

PAXTON GREENHOUSES, C. E. Taube, Prop. Harrisburg, Pa.

#### REDUCED PRICES

# **Carnation Cuttings**

Taken from our "Prize" Stock.

McGOWAN ALASKA ALBERTIN HELEN KELLER ARMAZINDY DAYBREAK

\$2 00 per 100; \$15.00 per 1000.

SOUTH PARK FLORAL CO., New Castle, Ind.

## JUBILEE

CARNATIONS,
Rooted
Cuttings

1 have a fine stock of this peerless variety, also most of the leading standard sorts. MARIE LOUISE rooted runners at special low rates, Write for prices. Will exchange for fruit

W. W. COLES, - Kokomo, Ind.

#### Cleveland.

Business continues to amble along at pretty much the same gait that it has maintained since Lent began. Things are slightly slower of course than previous to the advent of Lent, but upon the whole there has been no very great reason to com-plain, as a good share of the stock offered is selling, although not at high prices. This is doing well enough for Lent, when the vast increase in the volume of supply is taken into consideration. Easter week may be said to be scarcely more than two weeks off now, and it is to be hoped that any serious slump may be avoided.

Easter stock of all kinds is advancing

with wonderful rapidity under the influence of unusually bright weather.

The two members of the S. A. F. executive committee, Messrs. Graham and Cushman, arrived home the latter part of last week. They report a very pleasant time in Washington as well as a valuable meeting, of which the fruits will appear at Omaha in August. On the return trip a stop was made to visit Schenley Park, where they had the good fortune to find Mr. Falconer hard at work supervising the planting of one of the houses. It goes without saving that everything was found in magnificent condition; the palms and ferns being particularly noteworthy. A house devoted to economic plants gives promise of being a great feature very shortly, among other things being a fine collection of agaves and cacti from the Shaw Gardens at St. Louis. Mr. Smith, of Washington, also was represented by an extensive batch of various kinds of plants.

A special feature at Schenley Park is, of course, the great displays provided for various occasions throughout the year, one of the finest, of course, being that shown at Easter. This year's display promises to excel anything heretofore seen; there are hundreds of magnificent hydrangeas and cinerarias in fine shape and of every imaginable color variation; azaleas of all sizes and kinds; bulb stock without end apparently, as well as many other handsome things. One beautiful feature will be the genistas in large sizes. These have been grown without trimming and now hang in long, graceful plumes that by Easter will transform them into miracles of floral beauty. All in all the visit to the institution under the efficient management of Mr. Falconer was one that amply repaid one for the trip. A.

PRICE LIST of rooted cuttings of New Carnation

| t a | lozen | or | up, prepaid | l by ma | ıl or ex | oress 1 35  |      |
|-----|-------|----|-------------|---------|----------|-------------|------|
|     |       |    | (to 100) 10 |         |          | " 10 00 per | 100  |
| 1   | 00    | 16 | purchaser   | paying  | charges  | s 8 00 pei  | 10)  |
| 2   | 50    | 66 | **          | * 1     |          | 7.00 per    | 100  |
| 5   | 00    | ** | 44          | **      | ۴.       | 675 per     | 100  |
| 1,0 | 00    | 61 | **          | **      | **       | 65.00 per   | 1000 |

Descriptive illustrated and priced circular free.

DAN'L B. LONG. Sales Agent, Buffalo. N. Y. X------

#### CARNATION

It sells because there is nothing in sight to at all equal it. It speaks for itself where-

ever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40.00 per 1000.

Our trade list is issued. If you have not received one send for it.

§ E. G. HILL & CO., = Richmond, Ind. §

TRY A FEW OF & & & THE NEW CARNATION

# MAYOR PINGRE

\$5.00 per 100.4 4 \$40.00 per 1000

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#### **CARNATIONS!** UP-TO-DATE

18 VARIETIES OF 1898.... 15 VARIETIES OF 1897.

All the Best Standard Sorts. Yours if you order at once. Many are all are finest of stock and ready for IMMEDIATE DELIVERY. Our prices are right. Send for catalogue....

GEO. HANCOCK & SON.

GRAND MAVEN. MICH

# H. F. LITTLEFIEL WORCESTER, MASS. THE BEST OF THE NEW PINK CARNATIONS Mrs. Frances A WINNER I

# Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the lead-ing novelties of 1856 and 1856 as well as the best standard sorts. Address

H. WEBER & SONS,

#### N. W. L. L. L CARNATION ARC

A few left at the following price 3 3 \$10.00 per 100, \$75,00 per 1000 ....

STOLLERY BROS. ARCYLE PARK, CHICAGO, ILL. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Experiences

The next number ready March I, will be cultural as we'l as descriptive, and sent free to all applicants.

t Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Triumph.

ALBERT M. HERR,

.... LANCASTER, PA.

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# **5000 GARDENIA FLORIDA**

3-inch pots, 8-10 inches high, \$8 per 100; \$70 per 1000. 25,000 Cannas, dormant roots, lu 20 best sorts, \$20 per 1000.

Latanta Borboolca, 4-inch pets, 1-2 choice leaves, 12-15 in., \$15 per 100.

Latania Borbonica, 4-Inch pots, 2-3 choice leaves, 15-18 in., \$20 per 100.

Phoenix Reclinata, 4 inch pots, 12-15 in., \$15 per 100. Phonix Reclinata, 4-inch pots, 15-18 in., \$25 per 100. Oranges, hest sorts, grafted, 4-inch pots, 10-12 lo., \$20 per 100: 5-inch pots, 18-20 ln., \$30 per 100.

P. J. BERCKMANS, Augusta, Ga.

out of 21/2-inch Pots; good strain; strong plants ready for cutting, \$2.50 per 100. Cash with order.

ED. OUINN. - Springfield, Mo.

Best named, 21<sub>2</sub>-in., \$25 00 per 1000.

250 Vinca Variegata, field-grown, now in 4-meh 6.00 per 1000

GEO. W. GASKILL 212 N. Tod Avenue, - WARREN, OHIO.

# MYRTLE For CEMETERY AND CARPET WORK.

1 have the largest and best stock in the country . . . . Rooted Cuttings, mail paid . 100, \$-60; 1000, \$-4.50 From 2½ and 3-in pots . . . . 100, 6.00 Large field-grown clumps . . 100, 7.00; 1000, 60.00 Delivered to any express from New York. Cash with order

F. A. BOLLES, Lawnwood, Brooklyn, N. Y.

#### **Rooted Cuttings** Well Rooted ...

Scarlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alhambra, Golden Urown, Midnight, Salvator, John Goode, Nigger, 15c per doz.; 75c per 100; §5 per 1000; express paid.

S. T. DANLEY, Macomb, III.

# The Cottage Gardens OUEENS. L.I Specialties in CARNATIONS, CHRYSANTHEINUMS. CHINAS, GERADIUMS. DAHLIAS. SEND FOR OUR PRICE LIST

THE JENNINGS STRAIN.

PANSIES
THE JENNINGS STRAIN.
THEY ARE GRAND.
Fine stocky plants in bud
and bloom, \$10 and \$15 per
1000; \$1.50 and \$2 per 100 by express; small plants,
75c by mail. Pansy seed, \$1.00 per pkt. Aster
seed, Semple's pink, \$1 00 per oz. Cush with order.

E. B. JENNINGS,

SOUTHPORT, CONN. Crower of the Finest Pansies.

#### MARCH OFFER

|                                             | 14 | ·r 100 |
|---------------------------------------------|----|--------|
| Alternanthera A. Nana, \$1.75; P. Major.    |    | \$2.00 |
| Begonias, 5 var. and Vernen                 |    |        |
| Coleus and Centaurea Gymnocarpa             |    | = 2.00 |
| Geraniums, 215-in. pots, \$2.50; 3-in. pots |    | 3,75   |
| Marguerite (Paris Daisy) 4-in. pots         |    | . 4.00 |
| Pansy plants, 1000, \$9.00                  |    | -1.00  |
| CASH WITH ORDER.                            |    |        |

#### JOS. H. CUNNINGHAM, - Delaware, Ohio.

It will be better for everybody if you mention the American Florist when writing advertisers on this page.

#### 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION. IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

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#### &&VERBENAS.&&

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass. Strong rooted cuttings, 60c per thousand, \$20,00.

New Yellow Marguerite fluest variety, strong 2-in-pot plants, 3c; rooted cuttings, 2c.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

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DOUBLE HOLLYHOCKS

Fine plants, one-year-old. Pausies, Verbenas, &c. Send for Price List.

W. PIKE, ST. CHARLES, ILL.

# GREEN AS

#### MAMMOTH VERBENAS

Fine selected stock in separate colors. Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

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#### AZALEA INDICA

We have an immense stock of all the best varieties; well set with buds; large plants, 12 to 15-inch, \$6.00 per doz.; \$45 per 100.

#### PANSIES

We grow over a million from the choicest seed of Bugnot, Cassier, Odier and Tri-mardeau; transplanted in cold frames; 60c per 100; \$4.00 per 1000.

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In bud, guaranteed right for Easter; 10c per bud.

#### CINERARIAS

In bud and bloom, \$1.00 per doz.

| ROOTED CUTTINGS 100                        | 1000          |
|--------------------------------------------|---------------|
| Mammoth Verbenas \$ .70                    | <b>\$5.50</b> |
| Double Petunia 1.00                        |               |
| Heliotrope                                 |               |
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| Double Golden Dwarf Marguerite, \$1.00 per | 100.          |

PLANTS 214-inch.

 Double Geraniams
 \$2.00 per 100

 Vinca Variegata
 2.00 per 100

#### WHITTON & SONS. Wholesale Florists,

City and Green Sts., UTICA, N. Y.

# FAXON'S "WHITE" PANSIES.

The best mixture in cultivation, flowers very rge, thick and velvety; of superb colors and arkings. The perfection of form and texture. large, this

In Trade Packets at \$1.00 each. M. B. FAXON,

1528. BOSTON, MASS. Correspondence solicited. Lock Box 1528.

# SPECIALTIES

ROSES, from 3-luch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS. SMILAX.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

# GLEMATIS Jackmanni, Henryli doz. 100 and others......\$3.00 \$20.00

H. P. ROSES Strong, 2 and 3 years own roots. \$1.50 \$10.00 RED JACKET GOOSEBERRY, only large native red. 75 \$4.00 DOWNING, hest for general crop, special

PAEONIES, fine ass't of colors and kinds \$1.25 \$8.00 SMILAX, extra strong plants...... \$2.50

F. A. BALLER, Bloomington, III.

#### KLONDIKE

Cold Fields at Your Door.

COLG Fields at Your Door.

COLEUS—All kinds, all grades and all prices. Verschaffeltil and Queeo. 75e per 100; \$8.00 per 1000; 25e-inch pots, \$15 00 per 1000; \$1.50 per 100. Coleus in variety, 56e per 100; \$4.50 per 1000; \$2.50 per 100. Coleus in variety, 56e per 100; \$4.50 per 1000; \$2.50 per 1000; \$1.50 per 1000. Ageratum dwarf blue. (8e per 100; \$1.50 per 100. Double Petunias, extra fine strain or dists, \$1.50 per 100. Saudora sortis, \$12 00 per 1000; \$1.50 per 100. Double Petunias, extra fine strain or dists, \$1.50 per 100; \$1.20 per 1000. Anthenis Coronaria, Golden Marxuerite, \$1.50 per 100; \$1.20 per 1000. Anthenis Coronaria, Golden Marxuerite, \$1.50 per 100; \$1.20 p

J. E. FELTHOUSEN, Schenectady, N. Y.

# **CARNATIONS AND** COLEUS

#### ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.
ROOTED COLEUS in variety.
Cood stock only. Price list free.

DAN'L B. LONG, Growers' Agent, BUFFALO.

#### 5,000 SMILAX...

From flats, by mail. 50c oer 109, 84,00 per 1000 From 2-Inch pots, 82,25 per 100, 813,00 per 1000 Gerantums from 2-Inch pots, 82,25 per 100; 820,00 per 1000. Cash with the order. Send for samples. Fred Boerner, CAPE MAY CITY, N.J.

## Marie Louise Violet Runner*s*

Good plants, healthy stock, \$5.00 per 1000.

A. WASHBURN & SON BLOOMINGTON, ILL.

# LETTUCE AND OTHER... **VEGETABLE PLAN**

LETTUCE—Blg Boston, Boston Market, Tenn.; Ball, Grand Rapids and Reichner's Forcing. 15 cts. per 180; \$1.00 per 180.

TOMATO, CABBAGE and CELERY-Small plants for transplanting new ready. 15cts. per 100; \$1.00 per 100. Pepper and Egg Plants-25cts per 100; \$2.00 per 1000.

CAULIFLOWER, Soowball—35 cts per 100; \$2.50 per 1000; If by mall add 10 cts. per 100 for small plants, and 50 cts. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md. Mention American Florist.

#### Baltimore.

A week of balmy spring weather has helped to depress prices, though on the whole prices and demand are remarkably good for Lent. Complaint is made that Philadelphia is unloading a good deal of stale flowers on the market at any price they will bring. This encourages the sidewalk vendors, and is just that much against the stores.

The last meeting of the Florists' Club was largely attended, being the annual

election of officers.

Messrs, E. A. Seidewitz and N. F. Flitton were nominated for president, Mr. Seidewitz receiving thirty-four votes to Mr. Flitton's nineteen, was duly elected. For vice-president, Mr. C. M. Wagner received thirty-eight votes to Mr. P. B. Welsh's twenty. In the vote for secretary the number of ballots cast fell to tary the number of ballots cast fell to nearly the same number as for president, Mr. Chas. F. Feast receiving thirty-four and Mr. F. Burger twenty. The vote for financial sceretary was the closest and largest polled. Mr. W. P. Binder received thirty-one, Mr. H. Ekas, thirty, Mr. J. J. Perry, four. The election of Mr. Win. B. Sands as treasurer and Mr. J. L. Wagner as librarian were unanimous. All business being on motion dispensed with the ness being on motion dispensed with, the members adjourned to the French restaurant on Liberty street and partook of the sumptuous repast that the committee had provided.

After this formality was over, Mr. Sands-who was to have acted as toastmaster-being obliged by the lateness of the hour to take his train home, made a short speech introducing Mr. Seidewitz as

the president and withdrew.

Mr. Seidewitz spoke of his determination to be an impartial executive "regarding neither friend nor foe," and compared different carnations, McGowan, Scott, Jubilee and others, to different classes of people. He then called on Mr. Vincent for a speech, but Mr. Vincent said he was no talker and could only tell of the meeting of the executive committee of the Society of American Florists, and the convention in Omaha in August, which he hoped many would attend. Owing to the fact that many members had to take cars for home by 12 o'clock or not at all, those remaining then dispersed.

Mr. Wm. Swayne, Kennett Square, Pa., had a cluster of carnation Empress on exhibition in the hall, with stems fully two and a half feet long. The blooms were three inches in diameter and filled (not crowded) with broad deeply laced petals of a rich, velvety, deep crimson. Add to this the very strong clove scent, and the admiration excited by the exhibit cannot

be wondered at.

Mr. John Burton, Chestnut Hill, Pa, also had a jar each of Alaska, and Flora-Hill, which would be hard to improve on

Messrs Halliday Bros sent a jar of all the varieties they cultivate, all were extra Маск.

SALT LAKE CITY, UTAH "The second meeting of the Florists' and Gardeners Association was held March 14. There was a good attendance and much interest was manifested in the proceedings.

# Peacock's **Prize Winning Dahlias**

# Two Great Sports

#### **CARNATION**

#### VICTOR

Undoubtedly the best Pink Carnation in commerce and certainty the most prolitic bloomer, perfectly healthy and of vigorous growth Rooted cuttings now ready. \$4.00 per 100; \$35.00 per 1000. Come and see this carnation growing.

**CHRYSANTHEMUM** PENNSYLVANIA

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, \$5.00 per doz.; \$35.00 per 100; \$250 00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

Mention this paper.

# Chrysanthemum Mrs. A. F. Wienold

WE claim this to be one of the grandest early whites yet sent out. Originated with us 3 years ago and given a thorough test. It is earlier than Bergmann. Plawers 7 to 11 mehes in diameter; is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2%-in. pots, 20c each; \$1.50 per doz.; \$10.00 per 100.

CAL. VIOLETS. No disease. Strong runners. 50e per 100; \$4 per 1000. MCDONALD & STEELE, Grawfordsville, Ind.

# **G**hrysanthemum

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysauthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 2½-in. pot plants, strong, \$2.50 per doz.; \$20.00 per t00. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

"BOSS" Chrysanthemums WM. H. CHAOWICK—the grandest white novelty of the season. THE YELLOW FELLOW—Winner of \$100 Stearns bicycle prize. MADELINE PRATT—"As pretty as her picture."

Distributed March 1st by leading firms and the grower...... Grove P. Rawson, Elmira, N. Y.



#### IMPORTERS

## JAPANESE PLANTS,

At lowest prices Small orders filled from experimental garden Columbia Road Dorchester, Mass. Wholesale catalogue, 1898 free to the trade.

JAPANESE NURSERY.

BOSTON, MASS.



Large Field-Grown Roots in all the Leading **Varieties** \$5.00 to \$7.00 per 100.

#### 30,000 DAHLIAS

Before ordering your liability stock be sore and send for my catalogue of novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist,

# Jardinieres, Pots Pedestals



Florists' Use.

Artistic Shapes and Decorations.

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Write us for Illustrations and Prices.....

×

W. P. PEACOCK, - Atco, N. J. BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

#### Catalogues Received.

11. 11. Berger & Co., New York, seeds and bulbs; Frederick W. Kelsey, New York, trees, shrubs and plants; Holton & Hunkel Co., Milwaukee, Wis., wire designs; Jac. Wezelenburg, Sassenheim, Holland, Jac. Wezelenburg, Sassenheim, Holland, bulbs; E. Calvat, Grenoble, France, plants; Lothrop & Higgins, East Bridgewater, Mass., dahlias; Yokohama, Nursery Co., Limited, Yokohama, Japan, trees, shrubs, plants, seeds and bulbs; H. F. House & Co., Hiram, O., seeds; John S. Kerr, Sherman, Texas, trees, shrubs and fruits; C. E. Allen, Brattleboro, Vt., seeds; C. I. Spechuan & Sons Sussenheim seeds; C. J. Spechnan & Sons, Sassenheim, Holland, bulbs. Haerens Brothers, Somergem, Belgium, plants; J. A. McDowell, City of Mexico, Mexico, plants; James M. Lamb, Fayetteville, N. C., trees, shrubs and plants; Ellis & Pollworth, Milwaukee, Wis., plants and supplies.

TORONTO, ONT .- The florists of this city at their last meeting made preparations for the annual chrysanthemum show to be held on November 9, 10, 11 and 12. The prize money has been raised to \$860.

ELIZABETH, N. J.—The Elizabeth Nursery Company has purchased several acres of land on Rahway avenue, on which they propose to build a range of large greenhouses at an early date.

NEW BRIGHTON, PA.-William George, florist, will build a new greenhouse at the corner of Fourth avenue and Ninth street and engage in business soon after the first of April.

Toledo, Ohio.—A greenhouse belonging to the Superior Floral Company was damaged by fire to the extent of \$25 on the morning of March 9.

#### N. Dames

of the

**Vanderhorst** eeeeeee & Dames...

**BULB GROWERS** 

## Lisse and Heemstede, Holland,

is on his round trip through the United States. To spare time, we beg to send all letters and communications up to May 15, care of

Knauth Nachod & Kuhne, 13 William St., New York,

Give us the list of your wants and we will send you our lowest quotations for real good stuff.

# Down to War Prices...

Tuberose Pearl, 4 to 6 inches, per 1000...\$5.00 Spirea Japonica clumps, per 100... 3.00 Iris Germanica, fine field roots, mixed, per 1000....8.00 

Send cash with orders.

#### HULSEBOSCH BROS.

ENGLEWOOD, N. J.

# 100,000 CANNAS

Strong dormant roofs in leading varieties; orders received until April 10th at. \$3.00 per 100, \$25.00 per 1000 per 100, \$25.00 per 1000 per 100, \$25.00 per 1000 pichARDIA ALBA HACULATA \$3.50 per 1000 pichARDIA, strong whole roots in leading varieties, of Cactus, large flowered and Pompon \$6.00 per 100 
THE STORRS & HARRISON CO., Painesville,

BEST HOLLAND BUI OUALITY

Per 100 Per 1000

LOWEST **PRICES** 

# Jac WEZELEN

SASSENHEIM, HOLLAND.

Address up to May 1 in care of KNAUTH. NACHOD & KUHNE, 13 William St., NEW YORK.



LILIUM AURATUM.

9-11 inch 5.00 L. RUBRUM (Speciosum) Per 100 Per 1000 .... 4.75

LILIUM ALBUM (Speciosum) Per 100 Per 1000 7-9 inch. 6 50 9-11 inch. 7.50 55.00 65.00

BEGONIAS TUBEROUS ROOTED ...

Single, separate colors...... Double, " ...... 3.50 30.00

#### TUBEROSES....

True Excelsior Pearl.
"Hallock strain" First size. .... 1.00 7.50

GLOXINIAS ..... Per doz., 85e; per 100, \$5.00 CALADIUMS.....

Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00.

#### CALADIUM ESCULENTUM

Cured and sound bulbs with live center shoots. Doz. 100 5 to 7 inches in circumference. \$\frac{40}{250}\$ 7 to 9 " " 9 to 12 " " 7 to 9 63 4 50 9 to 12 6 6 7 1 00 6 50 50c per 100 less on 7-9 inch aud 9-12 inch sizes if shipped from New York.

#### GLADIOLUS XXX Florists Mixture

**\$15.00** Per 1000 Per 100 ... \$1.75

# VAUGHAN'S SEED STORE

NEW YORK 14 Barclay St.

CHICACO 84-86 Randolph St.

# For FLORISTS.. BS FOR SEEDSMEN.

#### VAN ZANTEN BROTHERS.

HILLEGOM.

HOLLAND.

# CANNAS NEW AMERICAN Finest in the World Our Novellies for 1898

#### OUR CANNAS IN FRANCE.

To Mesers. A. Blanc & Co.
Your new cannas of last year gave me much
satisfaction. Please send me a complete set of
your novelties for ISS as soon as ready. Also 12
Glant Crimson, etc. Sixned CII MOLIN,
Lyon, France, Jan. 3, 188

#### ASPARAGUS SPRENGERI

Fine plants in 6-inch pots, ready for 8-inch, \$5 per 12.

Veltch's Hyhrids. \$4 per 12; Equestra, \$4 per 100; Formosissima, \$3 per 100.

CALLAS

Spotted Leaf, \$3; Black, \$5; Yellow, \$30; all per 100. Golden, \$2 each.

DAHLIAS

11 prizes out of 22 at the last Dahlia exhibition. First prize Dahlia, GILT EDGE, \$15 per 100 Send for special list.

A. BLANC & CO., Philadelphia, Pa.

# Armstrong's Everblooming Tuberose \* \*

A NEW departure in Tuberose growth, Flower bearing buds continue to form around the old flower stock indefinitely. Flowers greatly superior to those of all other single Tuberoses—Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

For Prices and Particulars ...Address...

#### LUTHER ARMSTRONG.

3720 Olive St., ST. LOUIS MO. <sup>#</sup>\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

#### Sub-Watering.

This method of watering should receive careful consideration from every florist. Readers of the AMERICAN FLORIST will remember that the method described by Prof. Arthur (except as modified by the Indiana Station) was described and figured on page 834, vol. xii., which was mainly an extract from the thirteenth reput of the Wisconsin station, then recently I have had four years' experience issued. with this method of watering, and feel competent to give evidence. Thave grown all kinds of vegetables commonly forced in greenhouses, as well as roses and carnations, and do not hesitate to recommend it as the very best system of water-

That it is a simple method cannot be denied, but that it requires no skill or judgment I deny. Good common sense will be in just as great demand here as in surface watering. The tendency at first will be to give too much water. It takes considerable time for the water to rise through four to eight inches of soil, es-

pecially if left loose.

I have found that it is not necessary that the benches be built absolutely level. A slight sag here and there does not make a mud puddle. Prof. Greenc's method has been used here for comparison, and while it is far ahead of surface watering, it does not give as satisfactory results as the brick method. The water is not uniformly distributed, and when a sufficient quantity of water to moisten the whole bed has been applied a large portion of the soil will be soaked and muddy, and will remain so for a considerable time, while other parts are dry.

By this method-as described by Prof. Greene-three rows of three-inch tile are used in a four-foot bench. Just how Prof. Taft is able to successfully water a fourfoot bed with one row of tile is not clear to me. The original cost of the beds for this system of watering should not discourage growers from giving it a trial. The increased yield of a single season will more than offset this extra cost. The zine will no doubt last as long as an ordinary greenhouse and the bricks are everlasting. The improvement to be looked for is the substitution for the bricks of some cheap water-conducting material that is lighter than brick. weight of the soaked bricks is something A running foot of bench enormous. four feet wide will require thirty-six bricks, which will weigh from 160 to 175 pounds. This needs to be borne in mind when constructing benches for this work. An inch of gravel and three inches of compacted sand answers well but is heavier. Char-coal broken into pea-size pieces will also work well, but is more expensive than bricks. However, the present method is excellent and should be given a fair trial by every progressive florist.

FRED CRANEFIELD.

Wisconsin Experiment Station.

#### Mansfield, O.

The Berno Floral Co intend building house to cover an additional rose house to cover 25×110. The house will be equipped with all the modern appliances and heated by steam. They will likewise overhaul their other houses, it being their intention to put the entire plant in first-class condition. Carnations will be grown on a larger scale than heretotore, the increased demand for these flowers necessitating the additional room.

Mr Berno reports an unusually brisk trade in funeral work Hogo.

# SCOTT'S ROSES!

## AMERICAN BEAUTY

.....\$6.00 per 100; \$50.00 per 1000.

ULRICH BRUNNER. Strong plants of hard wooded entrings, from 2½-inch pots, ¾4,00 per 100; §\$5,00 per 1000. This is gilt edged stock, and has a reputation of its own. Last year we could have sold 10,000 plants after our stock was sold. Sample for 10 cents.

BRIDE, BRIDESMAID, PERLE DES JAROINS, METEOR and CARNOT, from  $2^{4}\mathrm{e}\text{-in}$ , pots. Write for

NEW DWARF CANNA GLORIOSA, without exception the most useful and beautiful Canna yet in-troduced. Plants, from 3-in. pots, \$2.00 per doz.; \$12.50 per 100.

CANNA FLAMINGO, dormant roots, \$8.00 per 100. CANNA PAUL MARQUANT, dormant roots, \$2.00 per 100; \$15.00 per 1000.

CANNA CHAS. HENDERSON, dormant roots, \$2.00 per 100; \$15.00 per 1000.

-ORDER NOW-

#### ROBT. SCOTT & SON,

19TH AND CATHERINE STS.,

PHILADELPHIA, PA.

# **Roses!** Roses! Roses!

Bride, Bridesmaid, Catherine Mermet, Madame Hoste, Mrs. Pierpont Morgan, Perle des Jardins, Meteor, at \$5.00 per 100. La France, Kaiserin Augusta Victoria, Mrs. W. C. Whitney, Souvenir de Wootton, Madame Caroline Testout and Pres. Carnot at \$5.50 per 100. Clara Watson and American Beauty at \$8 00 per 100. 4 4 4 Write for special prices for large quantities.

# JOHN N. MAY, Summit, New Jersey.

#### ROSES **CUTTINGS** ...ROOTED

| o scrub | wood used   | All stock thorou | ighly roc | ited and |          |                 | From 21/6 | -Inch Pots |
|---------|-------------|------------------|-----------|----------|----------|-----------------|-----------|------------|
| refully | packed when | sent out. Sen    | d for sai | mples    | Per 100  | Per 1000        | Per 100   | Per 1000   |
|         | AMERICAN    | BEAUTIES.        | Rooted    | Cuttings | , \$2,50 | \$22.00         |           |            |
|         | BRIDES      |                  | * *       | **       | 1,50     | 12.50           |           |            |
|         | BRIDESMAI   | ID               | 4.1       | * *      | 1.50     | 12,50,          |           |            |
|         | METEOR      |                  | * *       | • •      | 1,50     | 12.50           |           |            |
|         |             |                  |           |          | 1.50     | 12.50           |           |            |
|         |             |                  |           |          | 1,50     | [2.50, , ,      |           |            |
|         |             | ferms cash wi    |           |          | lants fr | om 2%-inch pots |           | 1st.       |

J. A. BUDLONG, - STATION X. CHICAGO, ILL.

#### OWN ROOTS.⊀ DORMANT.⊀.⊀ FIELD GROWN

#### IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feet, cut back to 2 feet Yellow Rambler (Aglata) Hybrid Perpetuals, Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped Prices on application. Address

W. F. HEIKES, Manager. 1308-1310 Unity Bldg., -CHICAGO, ILLS.

#### STOCK FINE ROSE

In 2 and 3-inch Pots.

Write for prices of kinds you wint,

12 Bost Varieties of Carnations in 2-inch pots, ready to plant out. Write for prices. Send 50c for samples. I arrey Smilay in 2-inch pots.

GEO. A. KUHL, Pekin, 111.

## 300,000 YOUNG ROSES 300,000

Ramblers, Climb. Malmaison, Climb. Whife Pet, Climb, Wootlon, Pres. Carnot and too other leaders in Teas, II. Teas and Climbers. Moon Vines, \$2.50 per 100.

Send for prices

The National Plant Company, Dayton, Ohlo.

#### NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 21 p-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898, Correspondence solicited. Address

H. WEBER & SONS, Oakland, Md.

# ROSES

PERLES......
METEORS.
BRIDESMAID

Gnaranteed first-class. Stock grown in low temperature,

#### THE E. HIPPARD CO., Youngstown, Ohio.

When corresponding with any advertiser on this page, please mention the fact that you saw the ad. in the AMERI-CAN PLORIST.

#### San Francisco.

BUSINESS PICKING UP.—PRICES ON ROSES DROP—LILY BLOOMS SCARCE FOR EASTER —REMOVALS—PERSONAL.

Business in all its branches has picked up very much during the last few weeks and much better prices are now prevailing. Violets have taken a jump to \$1 per dozen. The cold frosty nights have put a stop to blooming, so that they became scarce very suddenly.

Roses are not of as good quality as they have been during the winter. First-class Brides and Bridesmaids have dropped to 75 cents per dozen; second grade still brings 50 cents. Some very excellent Beauties are being received and are bringing good prices. One or two of our growers have had their roses attacked by a cut-worm or leaf-roller which has done much damage. Carnations are just about the same as when last noted.

Lilium Harrisii is of miserable quality, due of course to diseased bulbs being planted. They are bringing very poor prices. A few longiflorums have been seen which are of much better quality than Harrisii. There will probably be quite a shortage of lily blooms for Easter. Lily of the valley is selling very steadily and good prices are being obtained. The market is completely stocked with narcissus, hyacinths and other outdoor grown bulbous stock, and as a consequence poor prices are being obtained. Smilax and asparagus are scarce articles and bring good figures.

Quite a large quantity of field-grown violet plants have been sold this season. The prices obtained were very good. Californias and Marie Louise seem to be leaders for this work.

The greater part of our growers are now busily engaged in working up their stock of chrysanthemums.

F. Pelicano & Co., who have conducted their large flower store at 343 Kearney street for many years past, are about to move a few blockscloser to Market street. Mr. Kenneth Murray, who has been foreman for M. Lynch, at Menlo Park, has been forced to resign his position on account of ill health.

The San Jose Bird and Floral Co. has opened up a new store at 70 North First street, San Jose. Mrs. Raventos and R. E. Rayburn compose the new firm.

There will probably be a floral festival in the Santa Clara valley this spring.

J. Jacquemet & Co. have removed to Sutter street, between Kearney and Grant avenue.

Mr. Rudolph Steffens, who has been with the Sunset Seed Co. for some time past, has left for New York.

The San Rafael Floral Society have decided to hold a flower show in May. Substantial premiums will be offered.

Mr. E. Wegener has accepted a position with Chas. Josselyn, at Woodside.

Mr. John Jacks, head gardener at the Oakland race track, paid a visit to the different growers last week. METEOR.

# GERANIUMS....

#### READY FOR IMMEDIATE SHIPMENT

25,000 from 2-in. pots.......\$3.00 per 100; \$25.00 per 1000 25,000 rooted cuttings........ 1.50 per 100; 12.50 per 1000 (Our selection of sorts.)

# **OUR LIST COMPRISES**

S. A. Nutt, Mrs. A. Blanc, Mme. Jones, Mrs. Ch. Molin, Mrs. J. M. Gaar, Marvel, W. A. Chalfant, Madonna, Rev. Atkinson, Leonard Kelway, Mrs. E. G. Hill, Comtesse de Danne, Wm. Ptitzer, La Favorite, Gloire de France, H. de Bornin, Mme. Buchner, Gettysburg, Beaute Poitevine, Comtesse de Harcourt and many others.

#### SPECIAL OFFER:

| 1000 | Geraniums, | 2-inch | in 10 | varieties, | our se | lection | ı, for |     | \$20.00 cash. |
|------|------------|--------|-------|------------|--------|---------|--------|-----|---------------|
| 500  | * *        |        |       |            |        |         |        |     | 10.50 cash.   |
| 1000 | 1.4        | rooted | entti |            |        |         |        |     | 12.50 cash.   |
| 500  | • •        |        | 4.1   | 10         | * *    | +4      | 1.1    | 4.4 | 6.50 cash.    |

# THE GOTTAGE GARDENS,

# CHRYSANTHEMUMS

#### READY FOR IMMEDIATE DELIVERY.

Mrs. C. H. Pierce and T. H. Spaulding......35c each, \$3 50 per doz. Frank Hardy and The Yellow Fellow......50c each, \$3.00 per doz. Pennsylvania and Snow Queen........50c each, \$5.00 per doz.

T. B. Morse, Marcia Jones, Mrs. R. McArthur, Mrs. H. Wright, J. H. Woodford, Western King, Mrs. M. Ryerson, Elvena, Dorothy Devens and many others of last years introduction.

2-inch pots, - 75 cents per dozen, \$5.00 per 100. Rooted Cuttings, 50 cents per dozen, \$4.00 per 100.

. . . ALSO . . .

Lenawee, Maud Dean, Golden Wonder, Pride of Castlewood, Glory of Pacific, Mrs. H. Robinson, Golden Trophy, Ivory, Yellow Queen, Mrs. R. Crawford, Invincible and many others.

2-inch pots, - 50 cents per dozen, \$3.00 per 100. Rooted Cuttings, 40 cents per dozen, \$2.00 per 100.

# THE GOTTAGE GARDENS,

QUEENS, N. Y.

# GROWN IN CALIFORNIA

|                           | Oz,         | Pound.  |
|---------------------------|-------------|---------|
| Verbena, Mammoth, White,  | <br>.\$1 00 | \$10.00 |
| Verbena, Mammoth, Scarlet | <br>1.00    | 10.00   |
| Verbena, Mammoth, Mixed   | <br>. 75    | 7.50    |
| Grevillea Robusta         | <br>40      | 4.(H)   |
| Smilax                    | <br>30      | 3,00    |
| Brahea Filifera           |             | .40     |
| Camphor Tree              |             | 2.00    |
|                           |             |         |

# CHOICE STRAINS OF FLOWER SEEDS!

HAVE YOU TRIED THEM?

| * * * * *                         | Oz.      | Pound. |
|-----------------------------------|----------|--------|
| Aster, Semple's, White            | . 8 . 50 | \$5.00 |
| Aster, Semple's, Pink             |          | 5.00   |
| Aster, Semple's, Mixed            | 50       | 5.00   |
| Aster, Vick's Branching           | 50       | 5.00   |
| Cosmos, Mammoth Perfection, Mixed | ,30      | 3 0 1  |
| Mignonette, Allen's Deffance      | 40       | 4 (8)  |

# COX SEED & PLANT CO.,

SAN FRANCISCO, CAL.

#### Los Angeles, Cal.

The different localities in southern California have been refreshed with showers during the past ten days. Reports from the northern and central parts of the state show that severe frosts this week have seriously injured, and in some places totally destroyed, this year's crop of apricots, peaches, cherries, prunes and

All the world has read of the death of General W. S. Rosecrans, who for a number of years has made his home within a few miles of Los Angeles. Ail the florists had heavy orders for the funeral, one firm

putting up twenty-one pieces.
In addition to large orders for the Rosecrans funeral, Capt. F. Edward Gray had a big wedding order to fill for Tucson, Arizona. He seut some nice stock out to the land of the cactus and jack-rabbit.

J. A. Summers, of the Central Park Floral Co., who was so severely injured, is recovering nicely and expects to get to the store before many days.

J. C. Harvey, of the Los Angeles Botanical Society, started this week for southern Mexico, where he has large coffee and rubber plantations.

J. J. Dean, of Moneta, is working up a nice trade in Redondo carnations by mail.

M. E. Walker, the university florist and bulb grower, has had too much "grip" for the past week.

California taxes fruit trees. The assessment rolls show 1,200,000 lemon trees now planted in the state.

A recent visit to Redondo, where more carnations are grown than at any other point on the coast, shows the principal growers there preparing for spring plant-The Redondo Beach Floral Co., J. G. Morley, manager, has ground ready for 75,000 plants and plenty of stock to plant it with.

Henry Feder is already at work planting on a little patch of about four acres. At the Wolfskill place, where George Watson grows as fine carnations as anybody, the ground space is limited, but the condition of the plants and surroundings shows the beneficial effect of thorough D. R. W. cultivation and good care.

#### New Haven, Conn.

Spring activity among local florists is blossoming in abundance just now. Thos. Pattison, who has lately completed a rose house and is marketing some of the choicest Bridesmaids hereabouts, shortly erect a carnation house 20x65 feet on his grounds in West Haven. Smith Bradley, of Fair Haven, is also planning an extension, and E. J. Morse, of East Haven, is said to be about to do the

While other dealers are making extenstons in a variety of fields, Witt Jost, of hast Haven, still confines himself to colets, and the degree of success which be has attained in cultivating the Faranhar seems to justify all his efforts. Mr. Jost has four houses, 10x120 feet each, given up to this variety alone, there being about 1 200 plants in each house. His weekly slapments to Boston and New York far exceed his sales in this vicinity Mr. Jost shades his violets early in March, using turpentine and white lead in prefer to whitewash, applied so as to not calude sunshine too completely, thereby obtaining added fragrance to the violets

The first Jacqs of the season arrived last week, and retail for \$3 per dozen. Brun scree, and retail of 8 per dozen. Fruncis, too, are in good shape, though the senson is yet young, and command the same price as Jacqs. Bridesmaids and Brides bring \$2, while bulbous stock,

being abundant, sells for 60 cents per

John N. Champion, accompanied by his wife, is absent on a two weeks' trip through the south, visiting Havana, Jacksonville, Savannah and other cities before they return. Mr. Champion expects to make many selections for his Easter

trade while on the trip.
Henry A. Siebrecht, of Siebrecht & Son, New York, was in the city on business J. A. P. last week.

#### Grand Rapids, Mich.

Trade is still brisk, and very much unlike what was expected for the Lenten season.

Although all large functions have ceased, weddings, funerals and the steady demand for loose bunches, have kept flowers scarce. Business promises to continue good, but stock is getting scarce.

The outlook for Easter stock is fair; lilies are more or less diseased, and will be given a turn at the next club meeting.
F. Postma and Mr. Blair have severed

their connections with T.R. Renwick & Co. Chas. Bowditch, late with F. A. Chapman, is now traveling salesman for Henry A. Dreer, of Philadelphia.

Wencil Cukierski, the city florist, has purchased a number of lots on the west side, on which to erect a greenhouse plant, should occasion require.

GEO. F. CRABB.

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# Kraft's Plant Tonic

#### For PLANTS, PALMS and FLOWERS

...A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale...

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy,

growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soit and pliable, and a beautiful bright green.

For sale at

Price per bottle, 25 cents.

84 & 86 RANDOLPH STREET, CHICAGO.

VAUGHAN'S SEED STORE.

14 BARCLAY STREET, NEW YORK.

STEMS DUST EXTRAGT

VAUGHAN'S SEED STORE.

Chicago. New York.

# VATIVE GUANO A COMPLETE AND NATURAL FERT

NATURAL FERTILIZER FOR .

(Desiccated Night Soil)

Gardeners and Florists. SOLUBLE, QUICK TO ACT. PLEASANT TO HANDLE.

#### STANDARD FERTILIZER CO. Inc.

1822 Filbert Street, Philadelphia.

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INDISPENSABLE

J. A. Scotlay, Maker,

71 Myrtle Ave.
Brooklyn. N. Y.
VAUGHAN'S SEED STORE, Gen'l Western Agents, 84 Randolph St., CHICACO.







## REED & KELLER Florists' Supplies

122 W. 25th St., NEW YORK CITY.



ESTABLISHED 1859

# W. Weathered's Son

Horticultural Architect & Builder

And Manufacturer of Greenhouse Heating and Ventilating Apparatus

The latest and most perfect Sectional Hot Water and Steam Boiler in the market. Improvements will astonish you. It has not only got the greatest amount of heating surface but is sectional in each and every

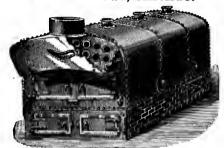


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THOS. W. WEATHERED'S SON, 141 Centre St., New York.

KROESCHELL BROS. CO.

29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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OF HIGH &

For GREENHOUSES.

See our Catalogue.....

Steam and Hot Water. Giblin & Co., Utica, N. Y.



**GREEN-HOUSE** HEATING. MYERS & CO.

1518 & 1520 S. 9th St. PHILADELPHIA. Send for catalogue and price list.

NEW & SECOND-HAND MATERIAL,

phased from Sheriff Receiver, and Assignee, as the less than one-half prices. Pripe and Fithings e. Florists Wire, Hot Water Heaters, Greenhouse lers and Englanes. Rope, Light Wrought Iron Pipe, se Sash, and thousands of other articles, for sa c by

CHICAGO HOUSE WRECKING CO.
Largesi Mail Order Depot for New and Second-Hand
Material in the World.
W. 35TH & IRON STS., CHICACO.
Write for our free illustrated catalogues.

# Wheeler-Stenzel Co.

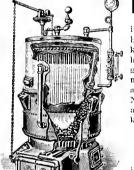
Make your contracts for next season now. We can deliver to any part of the country and Save You Money .....

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Greenhouse Glass

72 Sudbury St., BOSTON, MASS.





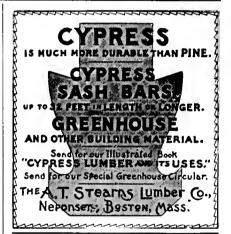
is the only boiler that will keep a steady heat in a greenhouse all night without attention. No sitting up all night to keep a good fire-

× Further information on application.

GORTON & LIDGERWOOD CO. 96 Liberty Street, NEW YORK.

EVANS' IMPROVED CHALLENGE Ventilating A*PPARATUS* 

QUAKER CITY MACHINE WORKS





LOUISIANA **Cypress Green House** Material.

RED CEDAR

Write for Estimates.

Our Special Easter Number April SEND ADS. AT ONCE OR IT WILL BE TOO LATE.

#### Uncle Sam and the Washington Florists.

The following House bill, introduced by Mr. Richardson, which was favorably considered and referred to the committee on the District of Columbia we learn will probably soon become operative:

 $H(R, h_3 bo)$ 

A BILL

To regulate the disposal of the products of Government greenhouses and grounds in the District of Columbia

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that from and after the passage of this Act it shall be unlawful for any person in charge of any establishment in the District of Columbia supported in whole or in part by the Government of the United States, or for any of his subordinates, to appropriate to their own use, loan, distribute priate to their own use, loan, distribute gratuitously, or sell or offer for sale in the District of Columbia any product of the greenhouses or grounds under their charges. charge:

Provided, That nothing in this Act shall be construed as prohibiting the President of the United States from using, at his pleasure, the products of the White

House conservatories and grounds:
"Ind provided Jurther, That nothing in this Act shall prevent the Secretary of Agriculture from distributing any new or rare plants not in general cultivation.
"Sec. 2. That violators of this Act or

any of its provisions shall be subject to dismissal from the Government service.

Mr. Freeman, prominent among the Washington florists, originally agitated the question which resulted in the foregoing bill.

The Washington P. st reflecting this opinion, and in sympathy with the flo-

rists savs editorially:

"After much prayerful inquiry and selfcommunion, we are convinced that the Washington florists have right and reason on their side. It is borne in upon us that the free distribution of flowers by the government is. in a small way, what the free distribution of seeds is in a large way-a humbug, a blunder. As regards the seeds, we have already expressed our opinion. It remains only to say that the distribution of flowers, as at present conducted, is not only an injustice to the general public in the improper employment of persons whose salaries the general public pays, but a mischievous favoritism out of which no good can come to any-body."

It has been argued that it this law is passed that the products of the green-houses and nurseries of the Industrial school will be deprived of a market and claimed that the proceeds of sales were an aid in supporting this institution but expert investigation has shown that such trathe has never even paid the running expenses for this plant, and a more bene-heral use of the flowers and plants from this establishment could be found in their distribution among the public schools, hospitals, etc., which would not injuri ously disturb patronage of the legitimate sources of these supplies Burr hoov.

## FLOWER POTS

#### A SPECIALTY STANDARD POTS

J. G. SWAHN'S SONS, MINNEAPOLIS, MINN.



# SYRACUSE POTTERY CO. Flower Pots,

#### Bulb Pans, Hanging Baskets and Saucers

OUR FLOWER POTS are standard measure and alt first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned, Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

#### Standard Flower Pots...

OUR POTS ARE OF THE BEST QUALIT

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere......

CAMBRIDGE TILE MFG, CO., Covington, Ky.



FERN PANS and AZALEA POTS...

OLD RELIABLE MAKE OF Elverson. Sherwood & Barker.

Write for price list. Address

PITTSBURG CLAY MFG. CO.,

New Brighton, Pa. GEO. KELLER & SON. Flower Pots.

> Before buying write for prices. 361-363 Herndon Street, near Wrightwood Ave., CHICACO. ILL.

Mention American Florist.

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS,

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY,

DETROIT, MICH., 490 HOWARD ST.

Standard 🥦 🧀 **FLOWER** 

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

Station M. N. E.

WASHINGTON, D. C.

tood Railroad Facilities KELLER BROS. For shipping.

Special Attention Given to :
Mail Orders, and Special
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Price Lists Furnished on Application.



#### STANDARD ....FLOWER

We have 50,000 Jern Pors that we will close out at §7,00 per 1000, 500 at same rate. Send for price list for other sizes, Address.

HILFINGER BROTHERS POTTERY FORT EDWARD, N. Y.

#### Brick or Wooden Greenhouse Walls.

Answering "C. B. S." Delaware, O.: Lumber, labor and brick vary so much in cost that the difference in expense between brick and wooden walls can not be given with any degree of accuracy. A solid brick wall is not to be recommended for your climate, as the great extremes of temperature inside and outside cause most kinds of ordinary brick masonry to rapidly go to pieces. A hollow brick wall is probably the best and most durable of all, but is more expensive. A well made wooden wall will answer every purpose except that it is not so durable as the hollow brick wall.

Would not advise the use of any glass smaller than 12x12 inches, and it should be double strength. In a general way the larger the glass the lighter the house, consequently the better the house. For cut flower growing 14 and 16-inch glass is commonly used, but for general greenhouse stock when economy is an object 12-inch glass will answer very well.

#### Concrete Greenhouse Walls.

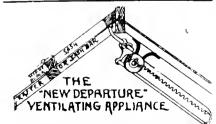
Answering "Subscriber," Milton, Ont.: A solid concrete wall would be open to the same objections as a solid brick one, as mentioned in answer to "C. B. S." Delaware, O., in this issue. If the best Portland cement, sharp coarse sand and clean gravel or crushed stone is used, in proper proportious, with great care in mixing and laying up, it is probable that the solid concrete wall will stand but it will not make so warm a house as the wooden wall, if the latter is well made, double, with building paper between the boards. Do not use the common tarred paper. The tar destroys the fiber of the paper in many cases and it soon hardens and cracks, becoming useless.

RIVERTON, N. J .- William Parry, of the firm of Parry Brothers, nurserymen, died last week of an acute attack of Bright's disease. Mr. Parry was 50 years of age, and was a son of the late Judge Parry.



SEND FOR CATALOGUE.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the American Florist.



You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to

J. D. CARMODY, Evansvilla, Ind.

# <u>| \_\_\_X======X======X</u>==== EEN-HOUSE CONSTRUCTIO

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

LOCKLAND LUMBER CO.

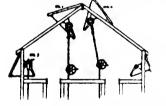
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LOCKLAND, OHIO.



#### MACHINE. VENTILATING STANDARD

NONE EQUAL IT Strength AND Durability Send for Catalogue.



NOTHING Flimsv OR Complicated about it.

HIPPARD, YOUNGSTOWN, OHIO,



# GREENHOUSE MATERIAL

Cal. Red Cedar and Louisiana Cypress. BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO. SHEFFIELD AVE. CHICAGO, ILL.



#### DON'T WATER. SYRINGE COLD

It lowers the vitality of your stock, but write for particulars of my tempering Apparatus.

HENRY W. GIBBONS, 134 LIBERTY STREET.

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#### FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO.. 456 W. Broadway, NEW YORK.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

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| Hippard E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Vaughan, McKellar &                                                                                                                                                                                                                                                                                                                                               |  |  |  |
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| Horan Edw (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Walker Fertilizer Co 364                                                                                                                                                                                                                                                                                                                                          |  |  |  |
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| Kelsey Harlan P. 1996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Willmore A W 972                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Kannienti Brus (a. 354 555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | William R Son                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| Mentile Plant Tonle No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wood Bros                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
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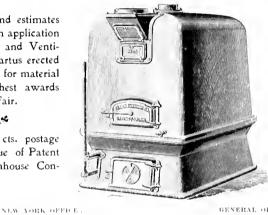
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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia. February, 1899.

ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Omaha, Neb., August, 1898.

ELMER D. SMITH, Adrian, Mich., secretary.

#### An Easter Perspective.

With the advent of every Easter there is a perennial revival of business all along the line. The grower, dealer and retailer each shares an active interest, and each desires to reap the natural benefits involved. The florist's Easter is material rather than spiritual, and while he is 'first' at church he rarely attends an Easter service. At the mere sight of an early worshiper he goes off on a tangent—to attend to more business.

A certain amount of business is assured from the start, with net results dependent on quality and quantity of salable stock in hand. At no other holiday season are fresh flowers and blossoming plants so generally salable, with the plants aversoing by for the better quality.

aging by far the better quality.

Cut flowers suffer from over-handling and incident neglect. Take the bloom off the fine bunch of grapes and half its ornateness is gone. Leaving roses and ornateness is gone. similar stock exposed and lying around in promiscuous heaps certainly doesn't improve quality; and by the time they reach the customer there isn't hardly enough vitality to survive Easter day. It seems that no amount of preaching can entirely shut out "stored products," but if these floral mummies were only ossified remains instead of rottenness and decay! Sic transit gloria mundi. And while there is more friction to Easter trade than desirable, still it would be next to impossible to be wholly free from it for obvious reasons. At Easter it is no sinecure to deal with the general public. Some people make purchases who seldom buy flowers at any other time, and these small sales involve an endless amount of "small" talk, inconsequent unless it be to impress the dealer with the questionable importance of their undesirable trade. Churches and church people simply "want the earth"—at your expense. 'Tis no wonder florists are skeptical of christian principles after dealing with a church committee!

The unusual "ethereal mildness" for

The unusual "ethereal mildness" for March brings stocks along even more forward than last year, when Easter was

eight days later.

It will be strange if roses are not more or less offcrop, for not being able to predetermine the lively gait of the weather which seems to present a zeal not according to knowledge or previous experience; bulbous stock shoots up like Jack's historic bean stalk. However, resurrection is the vital spirit at Easter. There will be no shortage of azaleas, but there is considerable uncertainty as to liliesthe large percentage of diseased stock will appreciably reduce surplus. Good violets will be in extra demand, as there will be less of the prime quality, except with growers who understand the delicate subject. My own violet range affords a 100,000 weekly, and I hope to preserve phenomenal quality. It's lots of fun to grow violets, but some growers make "funny business" of it, and that spoils the "fun."

More blooming plants will be called for this Easter than ever before. I predict a record breaker in this respect. Present to customers good honest ornate plants, minus so much millinery. I consider ribbon bedecked plants abnormal and a very doubtful equation of good taste. I am reminded of a past fad of tying piano legs with hugh bows of staring ribbon, which was so ridiculed and ridiculous that the square piano became out of date and is replaced by the plain upright. The best advertisement for the florist is prime stock—plants and cut flowers. Fads and styles, for the most part, do not cut much of a figure with plants or cut flowers.

One admires some of the dainty conceits in filling violet orders, and the dainty flower itself is so adaptable to the art and skill of refined taste.

The rush of Easter work crowds every day's calendar, and before the advent of Easter morning until the going down of the sun 'tis a wise florist who knows which end he stands on—and even his artificial support is shaky, unduly stimulated. Certainly the florist's exhaustive nervous strain should represent value received for recuperation.

The plant trade is one branch of the

business and cut flowers another. Try to handle them separately; don't mix the two together at the same time. Putting up a box of cut flowers and selecting a plant for a customer "all to wonst" quently gets a card in the wrong box, and you well know the consequences are not favorable for future business. Now, it too often happens that the latest customer gets your best stock of cut flowers Always give from very persistency. booked orders the preference. Reserve stock already sold to preserve regular customers. Keep a tabulated statement of daily sales booked forward. So many roses, so many carnations, and compare the aggregate with stock on hand or prospective.

You cannot fill an order satisfactorily at the eleventh hour with stock not in supply. Take care of the minutiæ and details. Don't curtail this part of your work. As a rule the average florist is not any too systematic. Like his business, he is inclined to do at the moment whatever presses him most—it

may be his temper.

Provided the weather is reasonably satisfactory Easter Saturday, the florist is assured a smiling and happy Easter morn, and his buoyant spirit stays—in a measure—his empty stomach. Happily a regular dinner follows later on—the first for the entire week, perhaps. Would-be florists, ponder the vicissitudes of the florist business.

florists, ponuc.

florist business.

May Easter, '98, pan out O. K. As a florist, I have great faith in "paus."

Blooming paus are a florist's Klondike—at Easter.

GROVE P. RAWSON.

#### Consigning Cut Flowers for the Holidays.

As Easter draws near it strikes me it is a good time to stir up the growers. Not all, but many of them require a little stirring up. In the first place do not pickle your stock; send it to market as fast as it is in condition to cut. There is always a shortage of stock for a few days previous to the holiday week, with a big demand; many growers will hold back their stock until holiday prices go into effect, thus losing a sure sale, and the early part of the week sending in a lot of old, soft, pickled stock that can not be shipped and has to be sold at a sacrifice to the fakir, and so depreciate quoted prices.

The fourth, third and second days before the holiday proper is when the very best stock is wanted for the long distance shipments. The fourth day to Montana, Utah, North and South Dakota, etc.; the third day to Louisiana, West Virginia, Colorado, etc.; the second day to Illinois and adjoining states; and to get to these points in good condition it must be stock of the very best quality, as it is all to be sold for use on the holiday. Many growers will send the worst first, and old, bad stock shipped to far off points is sure to result in a kick—and usually a big one—and it is the merchant that has to stand the kick and square the deal, also in many cases lose a good customer on account of disappointing him just when he is most in need of the goods and depends on his broker to furnish them.

Of course an old timer like myself, who has grown tough with many kicks on both sides, can stand it, but how about the young and tender boys who are still young in the business? It is a little rough on them to take the kick which in all instice should be given to the misguided grower who pickles his stock. Another thing he often does which is all wrong is

they will harden up and be as brittle as glass, and break as easy; and as a result most of the open flowers will be damaged or spoiled altogether. Your merchant can harden them up after receiving them.

I have always found the best results from wilted stock that has never had a drink; they should be packed with great care, with soft paper between the flowers, and far enough from the end of box so they do not get bruised. The stems should be firmly pinned down with a cleat with soft paper under it, then pressed just hardenough to hold in place, but use care not to press so tight that it will break the stems. If near enough to market it is safest to bring them in by hand, packed in bunches of 50 to 100 flowers, covered with soft paper.

Cut as long stems as you can; this applies to all flowers; short stemmed flowers are never much good, and do not sell to

make the bunches look as attractive as possible, and be generous in your count and avoid "ringers,"

The day before the holiday is the big city day. The holiday itself is worse than a Sunday, and seldom amounts to much, if anything. By following the above advice you will earn the thanks of your merchant, the blessings of his customers, and the shekels for yourself.

FLINT KENNICOTT.

#### Flower Seed Growing in America.

American seed growing has developed wonderfully during the past twenty-five years, until now, in spite of the European advantage in experience and in cheaplabor, we are producing vegetable seeds which compare favorably both in quality and price with any from abroad. But we have paid little attention to growing







NEW SWEET PEA PINK CUPID

the holding back of his flowers until the last day, or the holiday itself, then sending in large quantities, causing a glut in the market and, of course, a big slump in prices, whereas, if he would send his stock as it is ready he would avoid a glutand find a steady demand at good prices. Still another thing wrong, especially with lilies, is to hold them back to make sure of getting them in for the holidays, and at the last moment rush them into a hot house up to a 100 or more and force the very life out of them, the result being consignments of soft, watery stuff that is when it reaches the market and worthless when received by the customer. especially when shipped to any distance Harrisu and other lilies of the same ilk should be grown cool, so they will have some substance to them, then cut a few hours before packing and allowed to wilt a little; this will make the petals pliable and they are less apt to break in transit, it you put them in water in a cool place

advantage. In packing roses and carnations, etc., you would think some growers had been trying to see how much hay or moss they could get in a box, and had jumped on it or pounded it down with a brick. Care in packing pays; a tew broken heads and bruised flowers at holiday prices would pay for enough knock-down boxes to pack hundreds of flowers in; and where you do pack loose use care and cleat down all long stemmed stock, and pack far enough from end to keep roses from getting bruised, using wax or soft paper between each layer of flowers. Do not over crowd your boxes, and grade your stock; it will pay you, and your merchant does not have the time especially during holidays-to do it for

especially during holidays—to do it for you. Often a mixed lot that would sell on sight if graded, gets set on one side until there is time to pick it over. Stock should be graded by the growers, never patting any seconds with selects, or thirds with seconds. In flowers that are launched

flower seeds, the great bulk of those used in this country being imported.

There is, however, an exception in the case of sweet peas, Amerean grown seed of this flower being abundant and cheap, and generally considered the best in quality. The honor for the improvement of the sweet pea has been given to Henry Eckford, of England, and to such an extent that many seem to think that not only were all of our finer sorts originated by him, but that we must depend solely upon him for any further improvement.

I would not speak lightly of, or underestimate Mr. Eckford's work. He has done more to create and develop the modern improved forms of this beautiful flower than any other man; but, while giving him due credit, we ought not to ignore or undervalue the studies and labors of such men as Hutchins, Morse and other American lovers and growers of sweet peas. A collection made up wholly of Eckford's varieties would lack

some of the very best kinds in cultivation. He has produced nothing so early and free flowering as the Extra Early Blanche Ferry, nothing of its color so beautiful as Stella Morse. America is the best red striped. Cupid, with all the splendid possibilities of its type promised in Pink Cupid, is an American not an Eekford variety. Blanche Burpee, his best white, is at least equaled by The Bride, and Brilliant is a better red than his Mars. Not only this, but it is a fact that in many cases, after American growers have worked for years to produce and perfect some stock, Eckford has sent out some new variety essentially like it, and, though the American stock was usually the purest and best fixed, and often better in other qualities, it has been unselfishly dropped, rather than add to the confusion of names, and Eckford alone has been given credit for work which was as well done by the American.

So much for the past. As to the future I know that one American is now growing stock of a variety which is as distinct a departure in color as Cupid was in form, being a true blue, a color hitherto unknown in this flower. It is hinted that in the opening year of the twentieth century an American grower will enrich our gardens with an entirely distinct class of half dwarf or bush sweet peas, superior in both beauty and usefulness to either the tall or dwarf sorts.

It has been said that our American sorts are not the result of horticultural skill, but chance sports, the outcome of the large areas planted in this country and the consequent immense number of individual plants produced. But no one who has had an opportunity to know the careful study and earnest work of some of our American growers will deny that their work is well done and worthy of praise. While it perhaps does not illustrate this point, the history of two American sorts may be of interest. Some forty years ago a woman in Northern New York noticed and saved the seed of a particularly bright flowered plant of the old Painted Lady. She planted them in her garden and each succeeding year saved and planted seed of what she thought were the best plants. She did not raise many, some years not more than a dozen plants, and never more than could be grown in three square yards. She was the wife of a quarryman, and her garden was always over limestone ledges, where the soil, though fertile was very thin, often not over a foot in depth, and gradually her plants became more compact and sturdy, until after some ten or twelve years she ceased to "bush" them, simply letting them support themselves. After she had raised them in this way for some twentyfive years a seedsman noticed their beauty, obtained about 100 seeds and from them has come the Blanche Ferry. This poor woman was not a scientist, her little garden and cottage were not at all an ideal trial ground and seed laboratorybut no scientist has suggested a better plan for the development and fixing of the qualities which make the Blanche Ferry the most practically useful variety we have than that which her love for the beautiful and her conditions of life lead to her carrying out so faithfully and patiently. The Extra Early Blanche Ferry was not the result of the selections of the earliest flowers, but it was developed on the theory that the time (from the sowing of the seed) of a plant coming into flower was quite as largely affected by conditions of growth as by constitutional tendency, but that the period in the development of the plant when it first



A TALL RAMBLER ROSE-DECORATED. EASTER PLANTS.

showed bloom was more a matter of constitutional tendency than of growth conditions. Accordingly in breeding for early flowering, plants which produced flowers from the lowest nodes, rather than those which first showed flower, were selected, and the results show the correctness of the theory. It seems to me that what Americans have done in the development of this flower suggests possibilities with others, and that we ought to look forward to the production of our own flower seeds of all kinds. WILL W. TRACY.

#### Dahlia Notes.

If you are growing dahlias on an extensive scale you are now busily occupied in potting, hardening off and all the necessary details for preparing the cuttings for the ground. If, however, their cultiva-tion is only a side issue, the clumps of roots may now be awaiting your pleas-ure in their place of winter storage. It is time to be forwarding them for early trade. A cold frame or a mere bedding out of the roots in a warm, sunny situation with a covering of light earth, litter or horse manure will do the work. Perhaps you will find them already starting freely when you take them out. You will be very certain to do so if their place of

storage has been quite warm. In this case you can safely divide them at once before bedding out, making as many divisions as there are starting buds. If the crown of a root shows two or three buds run the knife lengthwise so as to divide the root into an equal number of pieces. If the buds are still dormant when taken out of storage, ten daysora couple of weeks' exposure in a warm starting bed will set the buds into a free growth, and then the roots may be divided as

described above.

After division the roots may be bedded out in the open ground, proper precauout in the open ground, proper preduction being taken against frost at night and cold stormy weather. Exposure during all suitable weather will produce a strong, stocky growth, and at planting time you should have a stock of thrifty plants two or three inches high, backed by a considerable amount of tuber which can be safely sent to almost any required distance. In case the growth should become too rampant before the plants can be disposed of, cut back the shoots, and the buds already formed at the base of the stalk will start into immediate growth. It requires but a short time for plants grown in this way to become established in their permanent quarters and to start into rapid thrifty growth.
H. F. BURT.



A RHODORENDRON BEFORE DECORATING

EASTER PLANTS.

#### Further Notes on Sub-Watering.

When the philosophy of sub-watering is once stated it seems simple enough. Evidently all that is directly required is to introduce the supply of water intended for the plant into the soil from beneath, and let it ascend by capillary movement to supply the feeding roots.

In arranging to carry out this method in practice there are two or three conditions of great collateral importance, which must receive due weight, or a full measure of success is out of the question. Most cultural results can be attained by sarious procedures, so long as the principle at stake is not violated, and substanting is no exception. The writer has used two methods for supplying water beneath the soil, one of which was discarded as deficient and the other remains and gives satisfaction. Other experimentars have used other methods, partly with and partly without good results.

The conditions, which seem to me prerequisites to success are (1) the ready distribution of water over the whole hory air through the bottom layers, and (3) the employment of material that will remain porous and efficient. The use of a water-tight bottom 1 do not consider essential, but Ibelieve the careful, economical and thrifty grower will come as near to water-tight benches as he can secure.

The permeable sub-layer of non-compressible material permits water to distribute itself evenly throughout the whole bench almost as soon as it is applied; and the flow of the water does not clog up the passage ways, for there is no fine or dissolvable material present. This layer of mert substance, which makes it possible quickly to spread an even sheet of water over the bottom of the bed, should be thick enough so that no liquid water can come in contact with the soil. The water should wet the sub-soil layer, be taken up by it and passed on to the soil above as hygroscopic water. The soil thus gets its moisture, slowly, and never contains standing, water that can compact or soin it.

distribution of water over the whole hot: Such a subsoil layer is well formed tom of the bench (2) a free cycuration of a from sett bracks with their lower edges

removed as passageways for the running water. All water for the plant must thus pass upward through four inches of porous brick before reaching the soil. But other material can also be used. Cinders and coarse gravel, from which all finer parts have been sifted, can form an inch or two on the bottom, with as much more of the same sort but finer above, and then the soil. With even the best of such material it is an advantage to have long metal troughs, with their sides notched, inverted on the bottom and extending from the entrance pipe across the benches. These are put in place first, and the gravel or cinders added afterward. They need be only about an inch high.

With brick, gravel, cinders, broken stone, or any similar distributing layer for the water; a most ample movement of air is also provided for. Much of the time, in fact, the spaces between the fragments of the sub-soil are filled, not with water but with air, and at no time are they entirely filled with water, if the watering is properly done. Moreover, the inlet tubes on the front of the bench and the overflow tubes at the rear permit something of a circulation of air through the sub-stratum at all times.

Whether the bottom of the bed shall be formed of zine, galvanized iron, cement, or some other more or less perfectly impervious material can be left to individual preference. But a perfectly level, water-tight bottom will distribute the water the evenest and give the cultivator the best control over the bench.

I have been very explicit about the character and structure of the sub-soil layer for sub-watering because it has seemed to me that some of those who have writen in contemplation of the establishment of a trial bench or house were in danger of missing the most valuable feature of the method. Everyone knows that if the water level under a garden should stand in contact with the loam, it would be very detrimental. We are trying to establish artificially a water table that never comes in contact with the loam of the bench, and that contains no fermentable or decomposing material. By this means the soil is never soaked with liquid water, but takes all its moisture by capillarity.

A point on which I had not given thought at the time my paper was read before the Carnation Society, was so forcibly brought forward then that I have been looking into the matter carefully since. The point is in reference to the possibility of successfully applying liquid fertilizers to plants in connection with sub-watering. My present view is that any fertilizer, whether liquid manure, ammonia, nitrates, phosphates or potash may be mixed with the stream of water so long as it does not contain solid matter to clog up the distributing sub-layer. Nitrogen fertilizers especially could well be applied in this manner, and the upward movement of the water through the soil would undoubtedly earry the fertilizing ingredients with it. The soil of the bench should be made reasonably rich at the outset, especially with phosphates, and then additional fertilizers for growth, particularly manure water, can be added in connection with sub-watering.

J. С. Актичк.

Ti scor v, Ir n = Dr. S. A. Richmond has engaged the services of J. N. Lawrence and will engage in the florist business on North Main street. Three new greenhouses are now being built.

#### Bellerophon's Experience with Carnations.

Would you advise a young man of healthy growth, and fairly seasoned morals, to engage in the florist business? I have a natural hankering for posies, and would have considered myself especially created for the business, had I not failed at it once. I was young then, and fell among teachers who evidently considered that adverse experience was a wholesome lesson for beginners.

Perhaps, if I relate my experience, you may be better able to give me the advice asked. I thought that carnations would be the most profitable to grow, as the freight on them per flower would be less than on chrysanthemums. I visited the autumn flower show, and hung around among the growers endeavoring to pick out a dealer that would not sell me at the same time he sold his stock. The nearest approach to a Sunday school countenance I could find belonged to a Mr. Cox, to whom I applied. I confided to him my ignorance, and asked if carnations were easy to grow.
"Oh! yes," he replied, "the stock I'll

send you can be grown as easy as falling off a log. All stock in the market is not easily grown. It is apt to run to short stems, which are not salable."
"Well," I replied, "there are some exhibited by Borner, they have long

stems."
"Yes, that is so," said Mr. Cox, "but you can't get the soil he uses; he gets it from the Louisiana cane-brakes, where fishing rods have grown in it so long that the soil has got in the habit of sending up long shoots, and thus acts upon the car-nations. You don't want to use that soil, it is full of fish-hooks and besides he has bought up all the land and controls it.

"How is your stock different from what other dealers send out?" I asked.

"Well, that is a trade secret, but I'll tell you," he answered. "What others send out, are cuttings, and in order to get as many as they can they chop them up too fine, and this weakens them. What I will send you will be rooted pips, they never

miss fire, and are winners."

I could not resist that benign countenance and bought at \$5 per hundred, which he said was cheap for rooted pips. He gave me a bushel of instructions, not to let the dew rest upon the foliage, and to be sure to dehorn them, at the proper time, also that it was the best to grow them on benches. That suited me because I had lately built an addition to my cottage for a laundry, and had quite a number of wash-tub benches to spare; but l had some trouble in retaining the soil. The rooted pips came, and in time seemed to grow well. I attended the florists' club's meetings and listened to the discussions on growing the carnation. I was particularily struck with the statements regarding the frequent drenchings with manure water. I felt inclined to doubt Mr. Cox's theory of the long stems to Mr. Borner's plants, and finally came to the conclusion that the long stems came from the flowers trying to reach up and get away from the smell of the manure. 1 asked Mr. Box about it, and he smiled. It was a different smile from Mr. Cox's, which was a sort of a give-me-an-order smile, while Mr. Box had an open grave smile, a sort of a never-come-up-again one, that completely buried my theory, when he replied: "You must stretch the stems, it takes Samson three hours every morning to go over our benches and stretch our crop. Samson is long legged and long armed and therefore is well adapted to the work, and

that is the secret of his success." When I tried that, and complained afterwards that the stems broke off at the base, Mr. Box advised dropping melted glue into the plant.

At last the flower buds came, and to my joy I found that my system of culture had caused a very prolific growth. I had noticed that all the varieties exhibited had but one flower to a stem. Mine had had but one flower to a stem. Mine had nearly a dozen. Here was wealth staring me in the face. Mr. Cox had said something about dehorning or disbudding, I've forgotten which, but I can't see how one can get flowers, if one takes the buds off, so I let them remain. When they opened up, they opened all over. They bloomed at the top of the callyx and down the side. I had never seen that before, carrely not at the exhibitions where only surely not at the exhibitions, where only

the newest and best were shown, so I was sure I had something new. I wasn't going to let the commission men get all the profit. I was going to reach near the consumer, and having something extremely choice; I wanted to select a florist whose exquisite taste would appreciate a good thing when he saw it. I made up quite a box of my choicest flowers, and called on Mr. Phillipine Souswirth, under Peck's Ampitheatre, I told him to prepare his eyes for a feast; that Mrs. Bradt and Argyle were not in it, and that if he paid me enough, he could have control of the whole crop. He didn't seem at all elated or excited, but remained calm and colbleeted, coldly saying "open 'em up." I did so. "Oh! rot" he exclaimed. "No said I, "they are Wm. Scotts, Mr. Cox sold them to me for such." I was



A RHODODENDRON - DECORATED.

EASTER PLANTS.

astonished at his ignorance. I noticed a peculiar expression of disdain and pity stealing over his face, and was just going to speak when Marc Anthony who was standing near, came up and with one glance at the flowers, took me by thearm and leading me to a corner said: "Now here, my friend, you are a member of our horticultural society, and as such haveits reputation to maintain, just take my advice and carry those culls out of the county and bury them." I asked him if ontside the city limits would'nt do. He shook his head sorrowfully and answered emphatically "No." Bellerophox.

toward extravagant expenditure in park construction; details are elaborate; costly buildings are erected often which few people use; bridges are sometimes carried across depressions without reason, in fact depressions have, in cases, been created to serve as an excuse for the span; costly walls have often been built spoiling natural effects, when the purpose could have been the better served by plantations. Expensive aggregations of stone are often laid up into so-called rock work, the interstices being filled with plants generally looking misplaced and unhappy, entailing great labor in their care, out of

A POORLY SHAPED AZALEA. BEFORE DECORATING,

#### EASTER PLANTS.

#### Park Notes.

In the development of parks thoughtful consideration should be given to the question of future maintenance. Additions to improved sections, from year to year, requiring increasing appropriations, are ant to be forgotten or ignored by those entrusted with the responsibility of making provision for the maintenance of parks, the result being that the character of maintenance falls below the stand. and required to give satisfaction to the public. Lach new path or extension of a drive, and each new plantation adds to the cost of care. It behooves, then, the park may er to keep this fact prominently before him and to chiminate from his plans of expensive embellishments, all unnecessary paths or reads or other teatures entailing large expense for subsequent care. The tenden v of the day is a all proportion to the benefits derived. Large ranges of glass are maintained for growing tender plants for bedding; this is an expensive leech to satisfy and makes large drafts on the maintenance account.

Simplicity of design in park construction is the most pleasing to the eye, and simplicity in design carries with it economical maintenance. Wide stretches of grass and masses of trees and shrubs are among the most important elements in park scenery. In combination they produce our fuest landscape effects and offer attractions varying with each season.

Natural groupings of native or hardy plants are more effective than ephemeral floral displays of exotic bedding plants, while the labor and care of maintenance is very much less. Hardy plants, too, have the additional merit of interest and length of season. From the pushing through the snow of the snowdrop in

the spring until the last anemone has succumbed to the freezing breath of winter, what a succession of beautiful forms greet the eye from month to month.

Roads and walks serve no purpose but that of utility. Their care is an expensive burden, therefore they should never be laid out where not absolutely necessary; excellence of construction makes easy the subsequent care.

Park buildings should be plain in design, of good construction and materials, without elaborateness of finish either inside or outside; common brick, ivy covered, will in most cases meet the requirements with the least expenditure for maintenance.

Narrow strips of grass bordering driveways may be somewhat more cheaply maintained by planting them with shrubs of low growth, in a solid mass. This method has been adopted for several years past by the Brookline, Mass., Park Department on its driveways, and the effect is very good. The plants used are Rosa lucida, Berberis Thunbergii, viburnums, cornels, rhamnus, etc. The variety of bark coloring makes the winter effect very pleasing, nor is the effect at any time monotonous, so varied are the changes from colored bark to budding leaves and bloom, and from bloom and fruit to autumn colored leafage.

The general lack of adequate funds for maintenance work in parks is a matter of serious thought for park managers. Money and time spent in construction is nullified if subsequent care can not be given to roads, walks or plantations.

The difference between success and failure lies sometimes in the neglect of little things, whether the cause of neglect is beyond the control of the park manager is scarcely considered by a generalizing public.

J. A. Pettigrew

#### American Raised Roses.

The question is frequently put to me why are there not more American seedling roses of merit raised. The reply to this may be given from several standpoints, two or three of the most important reasons being as follows:

The first is, that in a general way the process from the fertilizing of the flower till the plants bloom takes too long for our ideas of getting the desired results; for proof of this we have only to turn to the carnation and chrysanthenum; here it takes only a few months, six to nine at most, to determine what our efforts have produced, and as a result we have plenty of sterling varieties of both these flowers continually being offered. But with the rose it is quite different as it takes three or four times as long to get any indication of what the results are likely to be, and then if out of several hundred seedlings there should happen to be one or two that are promising on first blooming, it takes a much longer time to work up sufficient stock to give a fair trial to test the many desirable qualities such as color, size, free blooming, healthy, vigorous constitution, distinctiveness and several other qualities necessary to make it worth putting on the market, and then when the raiser has satisfied himself on all these points it takes a still longer time to work up sufficient stock to enable him to offer it for sale. This, of course, is presuming that the first blooms hold their characteristics good continuously, which often happens to be the reverse, then a double disappointment is the result. This long waiting and often final failure to obtain the desired multum in parvodeters many from trying again after their first attempt. On this score it may not

be out of place to mention the fact that unany seedling roses do not show their full character the first time blooming; -often the most promising at the first are the most disappointing later on, and others with less attractiveness on first blooming turn out much better with further acquaintance. Thus there is always a great amount of uncertainty attached to it which deters many from taking up this branch of our business that otherwise would and could do so with great advantage to horticulture.

The next factor in this case is that so few of our rosarians in this country feel they can afford the time necessary to pursue this subject with that minute detail and study necessary to make it a success. This is particularly true of the commercial florist generally. No one, I think, will dispute the fact that this class of men have all they want to do to manage their business successfully and pay their way, having no time for indulging in anything that does not promise quick returns. But this does not apply to many amateurs who could if they would take up the raising of seedling roses and find a great amount of pleasure in the occupation. I do not mean by this that anyone with just enough knowledge of horticulture to know what a rose is could do so, but those who have made a study of flowers for their own pleasure, and who often become expert judges of the different qualities necessary in any flower, could select the parents having the best eveloped qualities which, when blended, would produce the best and most distinct forms desired; and no country to-day offers the inducement that ours does for anything that is really an improvement in roses. The field is a broad one and those having the time and means to devote to this subject need have no fear of over-production or of not finding in our republic an appreciative people willing to endorse a really good thing, even though it be a queen. Summit, N. J. JOHN N. MAY.

#### Greenhouse Pests, San Jose Scale and Legisla tion versus Insects.

[Read by Professor John B. Smith before the New York Florists' Club.]

#### [CONCLUDED.]

These are peculiar in several respects and particularly their mode of multipli-cation. Their appearance I will not undertake to describe, but if a single large individual be observed for a few days in succession, it will be noted that a colony of small specimens, daily increasing in size and number, forms round her and, as these attain full size in a few days they move off a little distance and in turn become centers of new colonies. If the watch be continuous and close, it may be observed that every few hours the mother of the colony gives birth to a livand all her descendants are apt to be like herself, viviparous, parthenogenetic females. Some of them become winged, but that is not necessary to enable them to begin reproduction. Under greenhouse conditions no males are produced as a rule, and multiplication goes on with great rapidity. It is against such insects that the florist is most frequently called to battle, and besides the methods already mentioned, it may be in place to say that single plants may be often completely cleaned by the use of bisulphide of carbon. Bisulphide of carbon is a clear liquid like water which volatilizes rapidly, giving off an extremely Coul odor which is poisonous to insects when confined in it. A dram is sufficient

to poison one cubic foot of closed space, so as to kill plant lice without harming plants in one hour. In a closet constructed for the purpose, a number of plants might be placed at one time and completely cleaned, whenever such cleaning was desirable, as before sending to a customer. As the vapor is heavier than air and sinks, the bisulphide should be evaporated in a shallow dish secured in some way near the top of the closet. The objection to this material is its inflammability, but so long as this peculiarity is kept in mind it can be used with entire

A somewhat similar process has of late been the subject of experiment in cleaning entire houses of insects by the use of hydrocyanic acid gas. This is secured by the action of dilute sulphuric acid on tical use of this gas to say much of its possibilities. I know that it has been used in some large houses; but I do not know the details. It is an exceedingly dangerous thing in careless hands, yet it may develop into a valuable method when we become better acquainted with its range and its possibilities.

Among the most troublesome greenhouse pests are scales; soft and armored. Soft scales are usually of considerable size; of the texture their name implies and brown in color. The young are smaller, much flatter and paler; usually quiescent, but capable of motion. In some species the young are produced alive, in some eggs are deposited under the female scales. Whichever is the case the florist must study the species until he knows when the young larvæ are being produced.



A POORLY SHAPED AZALEA-DECORATED.

EASTER PLANTS.

cyanide of potassium, and it is exceedingly poisonous to animallife of all kinds. The proportions are:

Fused evanide of potassium, 1 oz. weight.

98 per cent. pure, Sulphuric acid, 1 oz. measure. 3 oz. measure.

Use a glazed earthenware vessel and put in first the necessary water, then add the acid; and when all is prepared drop in the cyanide in small lumps. The forma-tion of gas begins at once and the amounts above given will thoroughly fill 100 cubic feet of space. Plant lice succumb in a few minutes, scales in from onehalf to one hour-plants very soon thereafter. I do not know enough of the pracThen he\_should apply his washes promptly and thoroughly and at short intervals, for the larvæ scales are easily killed, and once out of the way the plants will remain clean. Soap washes are best in this case, although tobacco will do it frequently used. The main point to be observed is the time when the young appear and prompt application as soon thereafter as possible.

The armored scales differ from the soft

scales or lecaniums in that the scale is separate from the insect itself which lies free beneath it. The armored scales have no power of motion when they are once fixed to the plant and their chance to travel is confined to a day or two just after they are born or hatched as the case



A CLUSTER OF CARNOT ROSES, SPOT VIOLETS

may be. Treatment is much as already advised and is also effective in proportion to the promptness and thoroughness with which the application is made. No use to apply weak washes to mature scales.

Now it has been suggested that I should say something about the San Jose scale and about the attempts to legislate it out of existence. I am afraid that almost too much has been already said on the subject—enough at any rate to induce Germany to forbid the entrance of our fruit and living plants into her markets. Just how far this will be enforced, it is impossible to say at present, but perhaps far enough to make the unwisdom of the "scare" that has been caused, thoroughly That this insect is a destructapparent. ive one if left to itself, is beyond question, and that we have not yet found the best method of dealing with it may also be admitted. I am firmly convinced, how-ever, that legislation is not that best method, for laws do not enforce them-selves, and if the energy displayed in securing legislation were devoted to experiments in the orchard, the result might be different. We know the life history of the insect now, thoroughly; we know that we can kill it if we are persistent, and as compared with some plant diseases it is almost harmless. In the very worst infested district in New Jersey the fire blight killed more trees last year than the scale has done in the ten years that it has been with us. In one of the best peach orchards in New Jersey the scale has been present ever since it was put out. None but careful horticultural treatment was given until the present winter and of more than 1,000 trees, not one has been in the least harmed by the scale. Plant disease cut off 10% of the orchard last year, and 20% of some varieties. Why not legislate against that?

Legislation has a place undoubtedly in our battle with insect foes, but it is rather to give us a weapon than to act itself. There are always some men who are behind the times or who are congenitally unable to comprehend that any one has rights that they are bound to respect. Such men occur among the farmers as well as elsewhere, and in some cases they maintain a veritable nuisance on their grounds in the form of insect infested plants from which adjoining lands become infested; such men should be compelled to look after their property to the extent of saving their neighbors, and legislation can help us to that point and no further.



AN AZALEA TIED DOWN.
EASTER PLANTS.

Of course, inspection of nurseries is a good thing in so lar as it informs the nurseryman of the condition of his own affairs and he can make it, if he chooses, the basis of a guarantee to purchasers that his stock is clean. This will be of some tangible benefit to the purchaser if he is careful to deal with responsible firms, but as it is now, a certificate is a protection to a dishonest dealer since it gives him something to hide behind should his stock

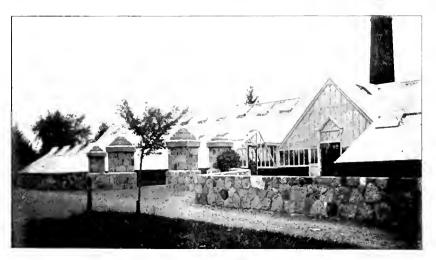
prove, later, to be either diseased or infested by insects.

It seems almost as if there was an epidemic of a new disease which may be called "certificatitis," sweeping through the country, and its most prominent symptom is a craving for a written formula which is expected to replace the necessity for personal care and examination.

It is admitted in the very latest expression from Mr. Alwood, who is one of the chief promotors of legislation, that a certificate may be dishonestly affixed to stock or that an inspection may fail to discover infestation if it is slight. As a matter of fact, certificated stock has been received in New Jersey from three states this past winter, infested by the scale.

In such cases certificates are a positive source of danger, since the purchasers are apt to rely upon them too implicitly and to assume that they are a guarantee which obviates the necessity for personal care and inspection. Whether florists will ever suffer from this pernicious scale is a question. The insect infests almost everything. Its normal food plants are perhaps the tree forms of the rosacce. But vines and shrubs, as roses, blackberry, raspberry and the like, are also infested, and roses particularly, are sources of danger.

LOOKOUT MOUNTAIN PARK.—Plans for a national park on the battlefield at Lookout mountain are well under way



ENTRANCE TO WABAN CONSERVATORIES OF E. M. WOOD, "NATICK, MASS.

#### Rambler Roses.

' It would seem as if all climbing roses of the inture are to be called Ramblers, owing, probably, to the success of the name given the really beautiful climber sent out by the Turners of England and given the very appropriate and euphonious name, the Crimson Rambler. This variety was introduced from Japan into England over thirty years ago and remained in oblivion until seen by the Turners, nurserymen of Slough, who recognized at once its good qualities and sent it out into the world, where it will ever remain a living example of their genius and enterprise.

in pots show something of the form of each, in fact flatter them very much except in the case of the Crimson, which is not a good picture. How men who pretend to be honest can make such representations is past our comprehension.

The vellow rose Aglaia is a pale lemon yellow with about one-third the number of petals and not more than half as many flowers to a cluster as the Rambler. No doubt it is a pretty climbing rose, but then it is not the same as the Crimson Rambler, only yellow. The pink and white varieties are much inferior to the yellow, the flowers being considerably smaller and very single.

north we cannot apply it. There has been but little frigidity lying around loose the past winter, everything is forward. The boys are holding back the Easter crops; the hyacinths, tulips and narcissi are blooming in their winter resting places and a general previousness among the flowers is as tantalizing as lateness when one is not ready to use them. With the florist it is just that time, "between hay and grass," when trade is dull and before the Easter activity which will stir anew the commercial impulses of the business.

Now is the time when one meets the kind of florist—and there are quite a few of them-who has foresworn ever



THALIA, THE WHITE RAMBLER ROSE.

" The few plants set out the past two years have done exceptionally well in all parts of the country, and the sales in the immediate future should be enormous, as r will certainly be universally planted As a pot plant for Laster sales it is meomparable its hundreds of blossoms allopen together and seeming to improve for at blast two and even three weeks, make it especially variable. Nothing his been vaid yet either by tongue or pen to do this rose justice it must be seen to be

But of the other the vellow, the white and the paracture hare being heralded a free some events, cover an fact pictures representatives of the area sized and tomost flower events, termine being sent sent. The event point applicates of plants

#### A Drummer's Twaddle.

We have just emerged from the Sunny Southland, which more than ever the past mild and dry winter has merited its balmy title. Scarcely a chill breath has blown across this region to blast its roses and camellias in full bloom in the gardens and parks at Christmas. The January and February months invited planting of outdoor crops usually postponed until a month later. Roses in their plentitude sold from the fields in basketfuls instead of by count, about on the basis of panach and kale, "so much for a quarter," that the southern florist's business, ¿ hich never compares with our own, espenally languished snow bound and ice locked" is a layor-

the expression of ours, but on arrival

planting another bulb; "they cost more than their product sells for," he wants to sell out "lock, stock and barrel;" every business in the world to him looks rosier than his own; his, the only one with its periods of depression and dissatisfaction; you can't divert him; the Maine disaster, Culian independence, the prospect of war, all fall upon stony ground and clieft but a stony stare. We have met him these many years; annually with a lugubriousness of expression which would be amusing were we not all sympathetic does he announce his getting out of the business, but with the spring revival of trade, when he begins to get round shouldered carrying his money at Eastertide, all is changed, and later when we get around in the summer, up is going another green-



AGLAIA, THE YELLOW RAMBLER ROSE.



THE CRIMSON RAMBLER ROSE.

house, improved heating or ventilating apparatus and other evidences of his continued ambition and interest in his business, and life is again worth living.

Happily we also meet with the other fellow, and right glad we are that he is in the majority, he who keeps peeled for the business fray and philosophically takes

#### Crepe Paper Decorations.

The use of crepe paper in decorating pot plants has become quite general, although there are still many florists and other persons interested in the business who are opposed to its use, they seeming to think that it gives too much of an artificial appearance, similar to the now alof ribbon of good width are very effective, but of course add considerably to the expense.

We use waterproof building paper about the thickness of light cardboard as a foundation; this is cut to fit any sized pot, coming from half to an inch above the edge, so that in watering the paper is not



CREPE PAPER POT COVERS.

his doses of the bitter and the sweet; is enterprising and creates business. There are other days, St. Patrick's for instance, and in advance he grows some shamrocks in pots, drums up the Hibernian societies, and patriotism for "the ould sod" does the rest, right green here were the breasts of the crowds on parade this holiday, bedecked with the shamrock green spotted with St. Patrick's tears. Here is one demand, but we have not the time now to pick winners before they are ripe, but perhaps you can see suggestiveness in the drummer's talk when he tries to "jolly" you.

So far as we have gone among the eastern cities this spring, we have never before noticed more attractive window decorations, and it would be invidious to particularize, for generally this feature of display among the floral establishments is ahead of former seasons. All are putting the best foot forward in beautifying their window fronts to attract admiration and trade. There is an abundance of stock ready for this purpose, with nothing promising to be short except Library Harrish, many of which have bloomed before the season, and from 20% to 40% have been thrown out on account of the disease. Japan longiflorus have shown but trifling signs of this tuple, but a small proportion of these plants have grown quite short, this layer and shole has done well and will be more energed, used again.

We look for a good Laster market and better to ing among the florists after it, and a for the drummer why he always tees seel from you. Lipix most obsolete white-fringed paper for the bouquet. Others do not care to go to the trouble, and say it interferes too much at a busy time, while still another objection urged by some is that people will not pay the difference.

To our mind, and after an experience of five years, we are firm believers in the efficiency of the crepe paper cover as an adjunct and helper to the sale of pot plants. With scarcely any experience the average person can improve the looks of a blooming or foliage plant and change a badly shaped specimen, giving it a symmetrical or greatly improved appearance. The bare stem of a rhododendron or tall growing a zalea is much improved by having a bow of ribbon to break the vacant space from pot to flowers, and a loosely arranged crepe paper cover on the pot makes a much better foundation to the large head of bloom.

Color effects innumerable are possible, as almost any shade of crepe paper desired can be obtained, and this season some very pretty flower figured patterns contaming pansies, violets, dogwood and other subjects have been placed on the market

Paper the same color as the flower is always safe, and in the case of violets, hyaemths, pansies, daffodds, lilies of the valle, and other low growing plants it is probably the best tonse, although a bow of ribbon or crepe paper of another color can be added with good effect.

Silver or gold cord is used to bind the paper narrow ribbons also answer, but are more expensive. Unlarge plants bows injured. The waterproot cover is held together with two small McGill fasteners, or pins may be used. The outside them gets a touch of mucilage, about an inch from the top, and the paper is fitted to it and bound on with the silver or gilt cord. When making, it is best to have an empty pot in the cover and to have this placed on top of a 6 or 8-inch pot, bringing it up to about the right height to work conveniently. If kept in a dry place and not crushed together they can be made as far ahead as is necessary to get a stock on hand for a holiday season, and will keep from one year to another if protected from the light, which soon bleaches out the color.

#### Hardy Herbaceous Perennials.

To those of us who grow hardy herbaceous perennials, the exceptionally early opening of spring has brought work which is ordinarily deferred until a month later. The new growth of aquilegias, phloxes, poppies and many others, warns us that the time has arrived for their transplanting and division where necessary.

Judging from the testimony of florists in this city and elsewhere, it seems that the demand for hardy plants is steadily increasing—particularly for the more showy and stronger growing ones—and the time is coming. I believe, when the public will appreciate many of the choicer and more delicate ones.

At the present time the call in this locality is for delphiniums, coreopsis, phlox,

therbaceous paonies and the early flowering Dutch bulbs. Comparatively few people are acquainted with the glory of the many hardy lilies, the exquisite beauty of the aquilegias, both in flower and foliage; the gorgeous poppies of the oriental types, or the more quiet beauty of the Iceland poppies, with their everlasting profusion of white, yellow and orange bloom, the varied forms of the iris and the multiplicity of campanulas, foxgloves, sunflowers, asters, gaillardias, together with the host of more chaste and less assertive blossoms, which can be grown as easily as coleus or geraniums.

It would seem that the florists have persistently avoided this class of plants, for what reason I can not guess, unless it be for the fear that once planted they would last forever and hence orders would cease. This would hardly be the case, as many of the tender annuals, or the perennials, which we use as annuals, though so common, have an intrinsic beauty and a continuous blooming habit which will continue to make them attractive indefinitely. Nor is it true that any plantation of perennials will last forever, for the best of them will need frequent transplanting and renewal. The use of hardy perennials is not advocated for the purpose of supplanting the tenderer plants, for that would be absurd, but because we want them for variety and relief and for their own good qualities and adaptability for certain uses.

There is probably more art required in the using of perennials than in the con-struction of a bed of alternauthera, still they are difficult to spoil, for they have a character and individuality about them that asserts itself in almost any situation. Yet there are places and places. On grounds of any size or pretension where there is room for a shrub or a tree, there is room and a suitable situation for at least a few hardy herbaceous plants. There is always some spot by the house; some line to be emphasized; something to be screened or cut off; some tall group to be clothed or brought down to the grass line, where the taller species may be appropriately used. Or there is a warm slope toward the spring sun; some rocky dedge or stony bank; some low spot where the spongy sod oozes to the tread the summer long; some natural or artificial water of greater or less extent; providing places for many a gem that "Comes before the swallow dares;" places for the brilliant natives of our moist meadows; for the beautiful alpines, and for the noble grasses and aquatics. To plant them effectively will require some study, it is true; some consultations with nature and with common sense—both safe teachers— the former to be easily reached and the latter found occasionally. It is wonderful how much the frame has to do with the picture, in fact becomes a part of the picture. Those who have seen groups of foxgloves and other plants of strong growth planted in the edges of woods, as Mr. Falconer planted them at Schenley Park last year, or who have seen the goldenrods and asters fringing some country road half hiding an old stone wall draped with clematis and shaded with crimson fruited barberries, will understand what is meant by effective planting. While it is undoubtedly true that most of our hardy plants are worth growing for themselves alone, yet there is a beauty above and beyond the individual which the gardener must consider—the beauty of combination of form and color and which should guide him in the selection of plants for a given place or purpose

Well, what I started out to say is this: The question is frequently asked of me (and this will answer two recent correspondents), "When shall I begin to work up a collection of hardy herbaceous plants?" And I answer, now. It makes no difference what time of year the question is asked, the answer is always the same—begin now. For most plants

many are better sown in the spring than later, and the rest may be sown as soon as mature seed of the present season's growth can be obtained. There are a few species that would become unmanageable if sown in early spring, but the majority will make far more satisfactory plants for next year if sown now.

JOHN F. COWELL.



LILAC DECORATED WITH CREPE PAPER AND RIBBON.

which are propagated by division early spring is the best time. At this season of the year the members of the plants are full of good impulses, and a little piece that would wither and die if taken off later in the spring or at the approach of winter, will now start off as though nothing had happened and make a good sturdy plant for another season or in the case of some species, for the present summer.

If they are to be propagated from seed,

#### The Confidence Man.

In a certain town where the "confidence man" has recently done business with some of the local florists, much to their sorrow, one of the victims relating his experience to a sympathizing brother florist got quite excited over the affair and exclaimed, "Well, the next time a stranger comes here, whether 1 know him or not, he can't have anything. No, sir! I'll cut off both my right hands first!"

#### Ornamental Bedding.

PART III.

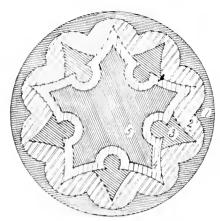


Fig. 6.—Ten feet diameter.

Very often in designs, and especially in scroll work, circles with different radii are joined so that there is no break at the intersections, no matter how much difference in size. This is only the case when the circles intersect on the mutual diam-Fig. 7 will explain this better than erer. words.

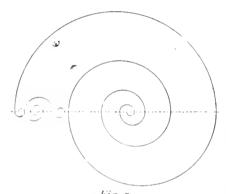
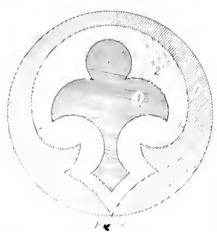


Fig. 7

These spirals consist of semi-circles of different size, meeting each other on the dotted line in which also all the centers lie. Consequently, if you have a design with this kind of intersections, you must find the two centers, draw a line through them and the intersection is where this line cuts the curve.

Alternanthera amœna spectabilis: A. aurea nana; 3, A. spatulata.



There is an exchiple of this kind, the intersections ranked with crosses. This is also a different kind of a design as it is synmetrical on the diameter and not on the ribbins as the proceding ones, we can

not find the centers by division, but must "shoot centers" using two convenient points as the base of construction. These designs are more difficult to lay out, but much prettier than the others, and can be used with more success for smaller beds. Fig. 8 for instance is for a seven foot circle. A working sketch would look like this.

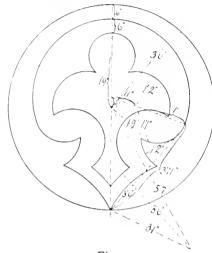
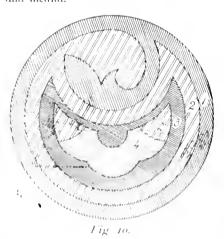


Fig. 9.

Three of the centers are in the diameter the others are found by using two tapelines, putting the rings at the ends over the points indicated (main center and lower end of diameter) and adjusting them until the respective measures meet, and then we put a peg there; find the corresponding center on the other side, draw the respective curves, find the next two centers, etc., mark the lines as you proceed. If you have only one tape line, slip the ring over one of the main points, draw with the indicated distance as radius a short curve on both sides, about where you judge the centers to lie, repeat this operation from the other main point, and the two centers are where the curves intersect. Figs. 10 and 11 are two more examples of this kind.

1, Alternanthera amœna spectabilis; 2, A. aurea nana; 3, A. spatulata; 4, Santolina incana.



1. Alternanthera; 2. A. aurea nana; 3. A. amo na spectabilis; 4, Santolina

For construction of a square we use the sides and for control the diagonals. Suppose we lay out an eight foot square.

First get the base a-b eight feet long and set pegs, from one of these b for instance, measure eight feet out about square on the base and set a peg,  $\epsilon_i$  with a radius of eight feet "shoot" d from a

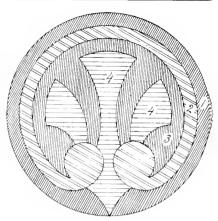
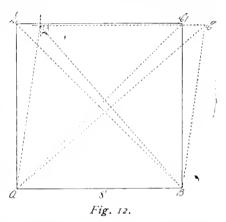


Fig. II.

and c and put a peg there, now tie a piece of twine from a to d, from d to c and from  $\epsilon$  to b; measure the diagonals a- $\epsilon$  and b-d, and unless you have been very lucky, one is longer than the other. Take up pegs c

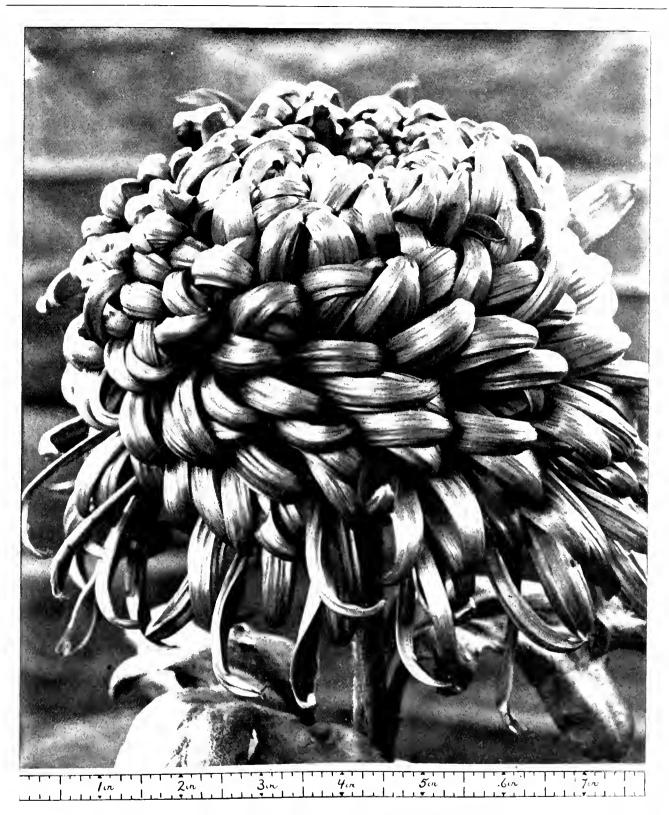


and d move them a little in the direction of the shorter diagonal, set them in the ground again with the twine stretched, measure the diagonals and if not yet alike, proceed as before until you have them equal. This is a way I have found easy and practical, but the same result can be had in many different ways.

#### The Ideal Chrysanthemum.

In approaching this subject I feel that 1 am dealing with a question that can not be answered off-hand; although, at first, it seems to be quite simple, the more one studies the matter the more complex it becomes. It is hardly possible to imagine an ideal flower that would be accepted by all, for nearly every one has his own likes and dislikes as regards color and form. The point of view from which one looks at the flower makes a great difference in his estimation of what constitutes perfection. If a grower for the market, the ideal flower would be one which pos-sesses a color which is always in demand; petals which will display this color to the best advantage, at the same time having substance enough to prevent the flower from being bruised in shipping; the foliage must be ample and handsome to properly set off the flower, and the stem must have strength to hold the flower erect, so it can be seen to the best advantage.

The amateur who grows the chrysanthenum out of pure love for the flower would probably differ somewhat in his ideal, for the shipping qualities of a flower make but little difference to him; his ideal would probably be the flower which combined what seemed to him the most beau-



CHRYSANTHEMUM MODESTO AS GROWN IN ENGLAND.

tiful color with greatest elegance of form. While a flower with incurved petals might possibly serve as an ideal in whites, it most certainly would not do for the other colors, for to get these in their purity the upper surface of the petals must be exposed, and we can only find this in a reflexed flower.

One class should not be set above another, for they all have their admirers, and it seems to me that it is not desirable

to establish one ideal if it were possible, for the great charm of the chrysanthemum as a flower lies in its infinite variety of form, and the great range of color which it displays. If we must have ideals, there should be as many as there are distinct classes, and each combine the distinctive characteristics of its class in the highest degree possible, with the most beautiful colors, rich foliage and strong stem

A. H. Fewkes.

#### Connecticut Horticultural Society.

We have received the list of premiums offered by the Connecticut Horticultural Society for competition at its exhibitions of 1898 and spring of 1899. The exhibitions will be held in June, July (sweet peas), September, November (chrysanthemuns), and March 28, 29 and 30 (flowering bulbs, roses and carnations). Copies of the list may be had on application to the secretary, C. M. Redgers.

#### Orchids for Florists.

The practical commercial florist will appreciate the fact that of the very large number of cultivated species there are comparatively few orchids that are suitable for his purpose, or that will repay for their culture in dollars and cents. It will be found that the merely curious or botanically interesting kinds will not attract the great majority of buyers even as they are cultivated by the few who are known as orchid lovers, but there still remain enough kinds that are of surpassing beauty and appeal to all by their coloring and form, and fortunately these are also the cheapest and most easy to procure, because collectors go to get these, and others are collected often by mere accident. Many a new plant has been discovered in this way and some of the most beautiful, too, even when the object of their search has cluded the collectors.

We have found that the genus that finds most favor among those that can afford to pay the price is the cattleya, a genus that is a purely American one, extending from Mexico to Southern Brazil, and from the cultivator's standpoint the lælias may be included with the cattleyas, for they differ only in the mere accident of having eight pollen masses instead of four, and botanists may yet see the wisdom of merging them into one genus at some not very distant date, If we take the two kinds named, it is possible to have flowers all the year round by selecting the proper species and varieties. and in passing it may be said that of the cattlevas all the best known are classed as mere geographical forms of the original C. labiata, and these will include all the largest flowered and best colored in

the genus. Taking the typical Cattleya labiata as a starting point in the season of winter cut blooms, we find it comes in at a very opportune time, just as people are coming home from mountain and shore and are beginning to think of entertaining at their homes. Five years ago this cattleya was worth its weight in gold, but its rediscovery in a locality hundreds of miles from its original place of discovery is now a matter of history and cause for comfort both to introducers and growers alike, for it is one of the brightest and easiest grown cattlevas, requiring no special treatment to do it well and can be obtained at very low prices at the present We have noticed that when cutting the flowers it is essential to cut the stem and sheath close down to the bulb, for if a portion of the sheath be left it will hold moisture and result in the loss of both leaf and bulb if not noticed in time. This is a pecularity more especially applying to this kind, but we have also had it occur in plants of C. Triana in mid-winter, when moisture was not evaporated rapidly by a tree circulation of air in the

Tollowing C labiata in quick succession comes C Pereivalliana, and while not so large it is brightly colored, the combinations of crimson and gold in the hp making it very conspicuous and desir able. This has been found to be the most difficult to grow satisfactorily of all the labiata group, though there are individual plants in the collection that could not be grown better or flower free; invariably those plants that have the largest halbs made in their native woods prove the casiest regrow and it may also be said in this connection, that plants that made thin wood bulbs in their native woods cannot under the most skillful cultivation be induced to put on good fat ones, this has been our experience with

many plants of all the kinds. Cattleya Percivalliana ought to continue the succession of bloom until Christmas, and even later into January if enough be grown. It is a native of Venezuela and comes from a somewhat lower elevation than the Colombian varieties, and enjoys a little more warmth in consequence so that it should be placed at the warmest end or corner of the house.

Almost all who see orchid flowers for the first time, ask how long they will last, and the reply is that under favorable conditions they may be kept three weeks but there are times when they will not last more than one week. When C. labiata first became plentiful, it was the impression that it came from a "warm" country or what is known as such among cultivators, and the few we had were grown in the warmest house; the flowers were of very poor texture, and lasted about a week, and great was the disap-pointment. The plants also began to make a second growth before resting, and here was the key to the situation, too much heat. We now find it the the most durable of flowers with as much substance as could be desired, and also very fragrant when the sun shines. In a cooler temperature, however, there is still danger of the flowers decaying from too much moisture, and plants in bloom should be taken to a more airy and buovant atmosphere if it is desired to keep them as long as possible. We find they last longer in the dwelling house than in the house they grew in.

Cattleya Trianæ is, without doubt, the queen of winter flowering orchids, and more of this variety is grown than of any other for commercial purposes. There is infinite variety in the plants, no two being alike in a thousand. In the first flowering of a newly established lot there is great interest attached, as some are of great value while others are poor in comparison. It is easy to grow either suspended or in pots on the benches, or as we have recently seen, merely tacked on boards. The medium in which cattleyas are grown is not of so much importance as the conditions that prevail, but C. Trianæ will take longer to kill than most others under adverse conditions. The season of flowering will last for about two months where a number are grown, especially if some be encouraged by a little warmer position all the time, selecting for this treatment those that are apt to flower earliest naturally. In this way we have found that there are plants that flower every year from the first time quite a month before the main lot, and this is quite an advantage. In giving orchids a little more heat to bring them on it must not be understood that forcing is meant. Orchids cannot be forced as other plants, in the general acceptation of the term; if this is tried, it will be found that new growth will be the result instead of flowers and at their expense, with a consequent weakening of the stored up vigor. A neighbor of mine once got all his cattleyas into bloom at Christmas; they were recently acquired plants, and it was considered a great stroke, as it reflected on others and their skill, the plants have not yet fully recov-

Cattleya Trianae ends the list of winter blooming varieties, unless we take into consideration C. Chocoensis which is a very closely adhed plant and also very beautiful, and if the florist wants only those that bloom in indwinter he will not need C. Mossia, C. Gaskelliana, C. gigas and others, but it is safe to assert that if a few are grown of those that come in the summer months, there will always be those that will appreciate them at those seasons, for the great thing is to keep people interested in the collection whether it be a private one or a commercial venture.

#### Carnations.

In our eagerness for novelties we are losing sight of one of the fundamental principles of nature, and that is the law of selection. In this I will again use 11clen Keller for an example.

The past week a trip among some of our local growers demonstrated the fact that selection should not be confined exclusively to those of strong constitution, although that is a very desirable feature to have added to free flowering.

Since the introduction of Helen Keller I and a few others have been selecting our cuttings from those plants that produced all good flowers and a fair amount of them. A plant that produced one sleepy flower was not used to propagate from, and the result is that to-day we are growing Helen Keller with profit, every bud making a salable flower and almost every bud making a flower of first quality. The plants producing these flowers are not as healthy and strong as the original stock, and the variety may in the course of a few years longer run out.

My own plants are not nearly so good looking as many I have seen, but we are getting results and the fine looking plants are producing practically nothing but sleepy flowers. Results are what we are after ascut flower growers, and it is better to have a hundred plants that are producing good flowers in abundance than a thousand plants that produce scarcely anything but fine foliage. Do not understand me as decrying good stock, it is one of the important things to look after, and where you can combine strength of plant, freedom of bloom and first quality flowers all in one variety you are very fortunate indeed.

Among the growers I visited I noticed some Scotts that are going the same way as Keller; they have been selected for strength of plant more than for freedom of bloom and quality of flowers, and the result is a fine looking lot of plants with very few and very ordinary flowers. With these growers Scott is doomed for next season, and yet where the variety has been selected with more regard to the flowers than to the plant it is a hard one to eclipse from a dollars and cents point of view.

The lesson I have learned from Keller is that in selecting entrings it pays to look first of all to the quality of the flowers, second to the freedom of bloom, and third to the health of the plant. Even if a variety does run out under this treatment in the course of five to seven years what matters it, providing for those five to seven years it has paid as a cut flower producer. Before the end of that time, with the number of seedlings now being introduced, there will be one as good or better in the market, and you will have the money to stock up on the new one.

ALBERT M. HERR.

#### Careless Letter Writing.

Mr. W. W. Coles encloses a letter written him asking for information and enclosing postage, but having no signature. Carelessness in dating, signing or addressing correspondence is one of the cardinal sins in the commercial world and is the cause of a vast deal of annoyance and financial loss.



ONE OF THE SHOW ROOMS OF H. BAYERSDORFER & CO., PHILADELPHIA.

#### Boston.

BUSINESS SHOWS STEADY IMPROVEMENT.—
EASTER PROSPECTS.—CARNATIONS DOING WELL.—LOCAL NOTES

A spell of rainy weather has been effective in reducing the heavy surplus of flowers forced into bloom by the previous warm days, and conditions are rapidly improving in the cut flower market. Easter being now close at hand, anticipation of its wants and its possibilities occupies the attention pretty fully of all interested and leaves little time or inclination to continue the complaining spirit that has prevailed for the past few weeks.

As to Easter prospects, it is evident that lilies will be good property. The number of L. Harrisii grown in this section this year is not as large as in past years. In fact, L. longiflorum has been always the favorite here, and the disease so prevalent with the Harrisii has helped to make the preference still more pronounced.

Carnations are, even now, bringing good prices and have held their ground better than any other flower during the

past week. That they will enjoy a good Easter demand seems to be the prevailing opinion, but it is well to qualify the prediction with the proviso that the stock be of good quality and, especially, that it be fresh

Part I of the transactions of the Massachusetts Horticultural Society for 1897 has been received by the members. It contains the full text of all lectures and discussions for the season of 1897.

News comes of the death, at Washington, of Hon. John Simpkins, of Yarmouthport, on Sunday last. Mr. Simpkins name is associated with some of the grandest exhibitions here, in the past, of aquatic flowers and chrysanthemums.

N. F. McCarthy and W. H. Elliott have just returned from a vacation trip to Florida. Mr. McCarthy's auction sales will commence about April 14.

Jackson Dawson will deliver a talk on his last summer's European trip before the Gardeners' and Florists' Club on the evening of April 5.

Visiting Boston: Alfred Dimmock, New York

#### Bayersdorfer's Store.

II. Bayersdorfer & Co, are just now up to their ears in business. Their spring trade is the best they have ever experienced. In addition to their large building they last winter added a big warehouse floor in an adjoining building that almost doubled their storage capacity. The accompanying photo shows one of their salesrooms, the easiest to take, all the others being so crowded with goods they made no showing in the camera.

This stock is constantly changing, importations coming every month in the year from Europe, and in addition a large force of hands are being kept busy getting out original and order work. One set of men year in and year out make nothing but wheat sheaves, their trade in this stock being enormous. The Bayersdorfer member of the firm is the same old Harry. Hard work seems to agree with him and he is an exceptional visitor who gets away from him without leaving a big order behind, as Harry is a salesman to the manner born.



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#### Death of a Well Known Florist.

John O Callaghan died Tuesday, March 22 at his horize 1 Oakland street, Rochester, N. Y., aged 73 years. He was born in Country Cork, Ireland, and came to this country forty years ago and settled in Pochester. He entered the employ of Ellwanger & Barry and was connected with that firm up to the time of his death. He hadespecial charge of the propagating of roses.

#### Rose Notes.

Cuttings struck in January and potted off as soon as ready should now be well rooted, and will probably be ready for a shift into a larger sized pot; other batches in the sand should come out immediately they are rooted. Just ahead of Easter bench space is usually very scarce and valuable, and the temptation is apt to come to us, that using a little extra care we can hold the cuttings in the sand, or the plants in the small pots a couple of weeks longer, when we shall have an abundance of room and more time to handle them. A very good scheme if it can be carried out successfully.

Success in handling young roses in pots depends largely upon two things, potting and watering. As soon as a rose cutting is rooted it should have a chance to make its roots in soil rather than sand; it is comparatively easy to pot a cutting with roots an inch long, but very difficult to crowd a cluster of roots six inches in length into a 214-inch pot. As has often been said in these columns, success in rose growing is achieved by attending to all the little details as and when they present themselves, rather than as a result of natural shrewdness and great ability, and a very important detail is that of potting off the cuttings at the proper time. The question is often asked, llow long is it safe and wise to leave a plant in a  $2^{1}$  inch pot? It is hardly possible to lay down any rule that could govern in all cases; difference in variety, soil, temperature, etc., make it imperative that every grower behis own judge. Two things, however, we should ever bear in mind, which are applicable under all circumstances; never repot into a larger size until the plant demands it, and never allow a batch of young roses, if wanted for cut flower purposes, to remain in small pots until the roots are gone and the whole plant has become stunted and starved; fine plants cannot be grown in this manner; when the pot has become well filled with clean white roots and the foliage is bright and healthy is the time to repot rather than after the roots become black and the toliage yellow and sickly. Years ago we were told to grow our plants along carefully until May or June, then set outdoors to ripen off, and when most of the foliage had dropped and the plants had got well stunted they were brought in and set out in the benches. A plan the very opposite of this is followed at the present time. The best growers to day aim to so manage the potting, watering and temperature, that there should be no interruption of growth and progress from the taking of the cutting until the season's work is ended.

I think for potting roses it is a mistake to use soil that has laid very long in the compost heap, we have had the best results with that laid together the previous fall, and not too much decomposed. The rough turt that cannot be rubbed through a <sup>3</sup>1-inch screen makes the very best kind of drainage. Too much fertilizer at this time should not be used; rank growth is not as desirable as strong, hard, sturdy growth, with foliage impervious to mildew and the like.

A word to young men about potting. How many plants should a man handle in a day, shifting from 214 into 312-inch? As many as he can do properly, no more. What might properly be termed poor work in this line? When a newly potted plant turned out shows hollow spaces round the sides, when the soil is firm on top of the ball and loose at the bottom, when the pot has been almost filled with

soil and an attempt made to press the plant down into it, thereby damaging the roots and loosening their hold on the ball, when a plant is potted so high that the first good watering presses it over against the side of the pot to be after-wards driven around in a circle every time the hose comes into play, these are evidences of miserable potting that no man who takes any pride in his work would allow. Good work in potting need not necessarily be divorced from rapidity of motion; a man may pot rapidly and well if he wants to and has sense enough, or lacking ambition his slowness may not be offset by quality of work. There is one thing to remember always, that numbers should never be counted on to hide or counterbalance poor work-manship. Robt. Simpson. manship.

#### Chrysanthemums.

It is with reluctance that we begin a series of articles upon the cultivation of this popular flower. The most important reason for our hesitancy is that this subject has been thoroughly and carefully treated by several of the eminent growers of the country time and time again; thus there is limited opportunity of presenting your readers anything new or original. And again, it is difficult—in fact it is inpossible-to give directions that will be practical to all, as so much depends on the conditions that surround the grower. To our mind early June planting is the most practical, especially to those having plenty of high houses, and who can easily devote the space for this purpose by the middle of the month. This is very im-portant to those growing early varieties for the market, and those interested in the exhibitions will find their products none the worse by adopting this course.

To the first-class growers we would suggest they consider their wants very soon, deciding upon the varieties and arrange for the quantity required. Orders are often placed the first of August for early sorts with the expectation of good results. And how inconsistent when we expect these little plants, three to four inches in height, to complete the growth and set buds in three weeks, as they must do if we look for flowers early in October. Disappointment, as a rule, is the result, for a wide-awake competitor has planted early, and has the same kinds with fine strong wood two and a half to four feet high at the time the others were planted, and in consequence has ample stem and foliage, flowers that have depth as well as diameter, with the crop marketed several days before the others are in con-Those who intend to comdition to cut. pete at the fall shows should soon decide what varieties are best suited for their purpose, and see that the stock of these is in proper condition. In making the selec-tion remember your strongholds are the sorts which youknow do well under your management. It is advisable to try the novelties, as there are always some that are improvements in one way or another and may be very useful, but do not overdo in this matter; remember it is flowers in competition and not varieties. certainly the case when the schedule calls for white, yellow and pink without specifying the variety. Should the list include rying the variety. Should the ast mender such slow growing sorts as Golden Wedding, Maythower, Liberty, Mand Dean and Mrs. Jerome Jones we would advise that cuttings of these beput in the sand not later than April 15, which will allow six weeks for them to root and become established in small pots. Some may take exception to the statement that

these are slow growing, but they must be so considered when compared with Mrs. S. T. Murdock, Niveus, Helen Blood-good, President W. R. Smith, etc., and most of these are slow in rooting as well as inactive until warm weather prevails; it is for these reasons we think it hest to have them fairly strong when needed.

We do not wish to imply that good flowers cannot be produced in less time, for, to the contrary, we have had satisfactory results from July planting, and more particularly has this been true with

the stronger growing sorts.

Those that do not have six to eight feet in the clear between the benches and glass will be obliged to either defer planting until July or keep the plants tied down, and this entails a great amount of labor. Those who have purchased novelties and wish to make the most of them, will find the surest way is to prepare a bench of three or four inches of good soil and plant them in rows eight inches apart and four inches in the row; thus treated they will make cuttings faster and of better quality than where they are kept in the pots. This method may be employed to produce a large stock of the standard kinds. ELMER D. SMITH.

#### Bedding Plants.

The most important point to figure on in regard to bedding plants is to have them nice and stocky, and not drawn or hard, but in a healthy growing condition when planting out time comes, so that when they are set outside they will not suffer, lose a great deal of the foliage, and look like sticks for a month or so. It should be the aim to have such plants as geraniums, lohelia, ageratum, pansies, petunias and all flowering stock well in bloom when the proper time comes for setting them out, as such stock unless in good condition, and well flowered is hard to move. As a general thing everybody likes to get this kind of stock out of the way as soon as possible, to make room for planting chrysanthemums and other stock for cut flowers. Geraniums will need to be now well established in 4-inch pots, and should not be overcrowded but given plenty of light and air, and care taken not to over-water or allow to get too dry, but be kept in a growing condition as much as possible, and if any are getting too long it is not too late to mip a cutting here and there, which will make nice little plants if you have any call for such stock later in the season, and will also do to be planted out in the lot for stock.

It will greatly improve the looks of a blouse of geraniums to have all the different colors set on the bench by themselves and carefully labeled, so if anyhody wishes to know the name of a certain variety the salesman will have it right there. By keeping each color together it will save several steps when picking out a big order

during a rush.

The best of a great many varieties of geraniums which we have tested here and geraniums which we have tested here and the quickest sellers are, Heteranthe, red; W. P. Simmons, dark red; Le Cid, dark red; Mrs. E. G. Hill, single, salmon, fine; Beaute Poitevine, salmon pink; Mary Hill, deep pink (never been able to get enough stock of this one); La Favorite, double white; Mrs. J. M. Garr, single white, and Athlete, single scarlet. These have all proven good bedders, and stand the sun well. Our customers prefer the the sun well. Our customers prefer the semi-double varieties most, and as a rule single varieties are not much called for. Coleus should be propagated as fast as

possible now, and potted on as soon as they require it. Give them a good warm place, with plenty of sunlight to bring out the colors; we find a nicely colored plant in a 3-inch pot to be the hest seller.

Dwarf ageratum and dwarf lobelia, when well flowered in 3-inch pots, meet a ready sale. They need a cool, even temperature and should not be allowed to become dry. The green fly will need to be kept in check by light funigating.

Both the double and single dwarf sweet alyssum are in great demand when well done. The flowers should be picked done. The flowers should be picked from the double variety if they are get-ting long or going to seed; they will branch out again and be just right by the middle of May.

Vines for vases, such as maurandya, Convolvulus minor, Thunbergia and other annual vines should now be potted on, and if they get too long top back a little, they will then make nice branching

All annuals such as asters, phlox, marigolds, stocks and zinnias should now be pricked off in flats, and not allowed to become drawn, but hardened off gradually; they will then be ready for the cold

frame in a few weeks.

Hotbeds should be ready now for alternanthera, and this is a good place to start your cannas, providing there is enough headroom. Overhaul and start into growth any bedding roses that have been wintered in cold frames. They need a good light place, free from draughts and not over-watered, and keep a sharp lookout for mildew and greenfly. Cut out any dead wood and be sure the drainage is good.

Petunias, fuchsias, heliotrope and pelargoniums that are intended as flowering plants for Decoration Day will be greatly benefited by an occasional application of weak liquid manure, and should be neatly C. W. Johnson. staked and tied.

#### New York.

MARKET CONDITIONS .- TULIPS, ROSES AND VIOLETS OVER PLENTY .- CARNATIONS AND SMILAX IN SHORT SUPPLY .- TEND-ENCIES IN WINDOW ADORNMENT.-LOCAL CUT FLOWER AND PLANT TRADE ITEMS.— SERIOUS ILLNESS OF A CHILD OF A. S. BURNS.

A noticeable feature of the cut flower market at present is the heavy shipments of tulips coming in. They are in many colors, both single and double and they are very difficult stock to dispose of. Their uses are limited as compared even with daffodils. Growers assert that they get less for the flowers than the original cost of hulbs in some cases. But they said the same last year, yet they persist in forcing large quantities of them, nevertheless. Just why this is so, it is hard to explain, but it is natural to assume that they will in time get tired of raising tulips for nothing but glory.

The tone of the market generally seems a little better than last week, and stock moves rather more freely. Of roses there are immense quantities being received daily and they go, necessarily, at very low prices when large lots are disposed of. Carnations are really in short sup-ply. The market could easily consume a good many more but they must be good. Poor carnations find trouble wherever they show up. Smilax is also scarce, it being out of the question to fill an order for any very large amount of it.

As previously reported violets are overstocked with prospects for a tremendous cut of blooms of good quality for Easter if the weather does not run too warm in the meantime. As to lilies it may be said

that most of those being received just now are of miserable quality. They give evidence of having been held by grower as long as possible in hopes of an improved market, and are sold at prices that sound ridiculously low until one sees the goods. It is noted, however, that when guaranteed real good selected stock is demanded in giving an order, buyers have to pay a good price and they don't grumble much over it either.

There are quantities of belated freesias to be seen and here again one may wonder why anyone should expend the time and money to bring in freesias at this season when the market is so overloaded with an infinite variety of flowers and the only prices possible are far too low to show anything but loss. Lily of the valley is abundant and cheap and it naturally outsells the freesia in all direc-

tions.

While undoubtedly the florist stores will all stock up heavily on the regulation varieties of Easter plants, yet it is worthy of mention that there is an apparent disposition to adorn the show windows in the more pretentious localities with a choicer class of material than is found in the customary Easter stock. Farleyense ferns, orchids and rare things of this character seem to have the preference. Many pots of blooming violets are seen on all sides.

A new carnation which E. C. Horan is receiving from A. Schultheis is named the Mrs. Schultheis. It is a good sized flower of a peculiarly soft and luminous pink and Mr. Horan says that it is well liked.

M. A. Hart has added another big ice

chest to the equipment of his new establishment on Twenty-ninth street.

Plant wagons are out in full force in all directions with their brilliant loads of geraniums, petunias, pansies and flowering bulbs.

The plant dealers opened on schedule time at Clinton Market on Monday and are very happy over the progress that has been made in providing comfortable quarters for them.

Harold, the youngest son of Mr. A. S. Burns, was attacked suddenly with pneumonia on Sunday and for two days his life was despaired of. A slight change for the better is now reported.

Rudolph Jahn, of Brooklyn has failed, owing considerable sums to some of the

New York wholesalers.

George C Watson, of Philadelphia, will read a paper on "The Florist Versus the Flower Show," at the Florists' Club meeting of April 11.

Among the visitors: W. H. Elliott, of Boston.

#### Chicago.

STOCK CONSIDERABLY REDUCED .- FAVOR-ABLE WEATHER INCREASES LILY STOCK. -A CLEVER SWINDLER.-PERSONAL AND VISITORS.

There is very little change in the cut flower market except that the stock on hand has been considerably reduced; a week ago there was quite a large stock accumulated in the wholesale houses. Last Friday and Saturday several large orders were shipped out of the city. Sunday morning everything salable was cleaned out; since then there has been very little surplus stock.

There is at present every indication that the coming Easter trade will be the largest

ever done in Chicago.

The very favorable weather we have had for several weeks past has brought out a much larger crop of lilies than was anticipated a few weeks ago.

There is a very good stock of roses coming in of all the leading varieties; the crop of extra long-stemmed American Beauties will be much larger than ever before at Easter.

Carnations will be in fair supply.

There will be enough bulb stock to supply all demands except, perhaps, lilies.

Considerable inquiry is being made for Easter flowers for both retail and shipping trade. The retail trade is very quiet; very few flowers are being sold at the retail stores; the street fakirs—one or more of whom may be found upon every corner in the business portion of the city—seem to be doing most of the business at present.

Mr. I. Mangel has leased the store on the northwest corner of Washington and State streets for five years at a rental of \$8,000 per year. The location is about

the best in the city.

A well dressed gentleman visited several north and west side retail florists and gave some very liberal orders for flowers to be sent to the funeral of a friend of his who was killed in the Wabash avenue hire; after the order was fixed up he would discover that he had not the amount of cash with him and could not pay for the flowers unless the florist would kindly cash a check, generally for about double the amount of the bill. The florists kindly eashed several of these checks; when presented at the bank the checks were found to be worthless. At the address where the flowers were sent no such person was ever known.

A. S. Vaughan started out on the road about ten days ago to sell bulbs; he found the florists in a decidedly belligerent attitude, they being about to declare war against everyone in the bulb trade. After a recognizance of the enemy's position he retreated back to Chicago and opened up diplomatic correspondence with the enemy, with the hope that after they get their Easter returns peace may be declared, and they will then be willing to again enter into business negotiations.

Mrs. H. B. Whitted, of Minneapolis, Minn., was in the city this week to make arrangements for Easter flowers.

J. D. Thompson and James Hartshorne leave Chicago to-day for the east in the interest of a new greenhouse plant they will build this summer. The plant will be devoted to the growing of high grade carnations. Mr. Hartshorne will be manager.

L. H. Hunt is home, sick with malaria. Visitors: P. Vos, representing the Holland Bulb Co., Holland; Herman C. Baartman, Sassenheim, Holland; C. S. Ford, Jr., representing A. Herrman, New York City.

#### Philadelphia Spring Show.

The spring show opened with the handicap of a rainy day. The space devoted to the exhibits might have appeared more crowded, and the visitors had too little trouble in getting about to suit the treasurer. Still the show can be said to be fairly successful. In the main hall were arranged large groups of foliage and blooming plants, while the foyer contained the cut flowers and design work.

H. A. Dreer received a certificate of merit for a group of well grown palms, while in those arranged for effect. Westcott Brothers, took first, and A. Woltemate second. Robert Cridg & Sonhad a pretty group of blooming plants for exhibition

only.

W. E. Harris won first for six hand some genistics in his colored enameled pots, giving the plants a very near and novel appearance. A specimen of thodo-dendron in the center was a beauty. A

Woltemate received second prize. He also received first for a collection of orchids.

In the cut flower exhibit the display of carnations was the best. R. Craig & Son carried off the most firsts, winning with Hill for white. Pingree for yellow, and Jubilee for red; also second with Lily Dean for variegated, twenty-five of each.

11. Weber & Son won first with Triumph for dark pink, first for any other color with a light striped pink, and first for striped with Mrs. Bradt; they were very fine blooms.

J. Heacock received first for light pink with Elizabeth, a fine vase; and J. Burton second for white with Alba Superba.

A. M. Herr staged some fine vases of Triumph, Armazindy, Jubilee and H. Keller.

Win, Swayne won first for twelve and twenty-five crimson, with Empress; they were time blooms.

George Christy had a fine bunch of his Mark Hanna.

Hugh Graham exhibited a large vase of his superb pink Victor, not for competition.

George Anderson won first for six Brunners, very fine flowers, and same for twelve Kaiserins.

D. T. Connor won first for La France, and second for Brunners.

J. Heacock won first for six Beauties, and a vase of fifty of same, also for Brides; and second for Bridesmaids; with J. Burton first for Bridesmaids and second

for Beauties.
Graham exhibited a beautiful basket of

flowers not for competition.

J. Kift & Son won first for basket. Pennock Bros. first and second for bridesmaid's bouquets.

A. Hoag staged a very pretty bridesmaid's bouquet not for competition.

Other entries will be made on Thursday and Friday and it is hoped there will be more interest shown by the retail men.

#### St. Louis.

Stock shows the effect of the protracted dark rainy spell, and is not quite as abundant or in as good condition as at last writing. Prices have maintained themselves, and no drop can be looked for until after Easter. California violets are over, and their absence from the market is felt most keenly; buyers wanting violets are disappointed when they cannot be had, and seem disinclined to take anything in place of them. An effort is made to fill their place with miniature hyacinths, tulips, and other spring flowers. but it is a hard matter to do so. Some fair doubles are still moving in good shape and sell readily without an advance in price.

All eyes are turned toward Easter and orders are being placed very freely for plants for that occasion. Inquiries for lilies have been made quite extensively, and there appears a probability of there being a shortage of good pot plants; cut lilies, it is expected, will be in sufficient supply to fill all orders. Prices, however, have not as yet been determined upon.

A call upon Julius Ko nig, in North St. Louis, found his houses crowded with pot plants and spring stock, most of the latter in small pots waiting for a chance to get into more roomy quarters in frames; there is quite a little Easter stock ready, principally marguerites and bulbous stock. The longillorum lilies may be in on time, but look a trifle backward Quite a stock of minature hyacinths have been grown this season, and so far with satisfactory results; some selected bulbs

of Dutch hyacinths have made beautiful plants. A novelty in growing for Easter was noted in a large number of tulips, one bulb in a small pot, principally La Candeur and Tournesol. These will be used in filling window boxes and plant baskets; minature hyacinths grown the same way will be used for the same purpose. An excellent red sport from Mrs. Bradt has made its appearance, and has about been fixed, having been grown for the past two seasons; all stock possible is being worked up and will be planted the coming season. The stock all through was in good shape. A novelty, or rather oddity, was several standard geraniums that had been top worked and were bearing flowers of different colors.

A visit to Hy Emmons, in Bellville, showed him to be in good shape with his Easter stock; his lilies will be just right, and there will be quite a few of them; there is also a nice batch of hybrids; Jacqs, Brunners and Magna Charta are just showing color; in bulb stock there will be a frame of Paper Whitegrandiflora and

minature hyacinths.

Carnations show the effect of heavy euttings, Daybreaks especially. Emma Wocher is beginning to show its tendency to come single, owing to the warmer weather. It will be largely planted again next season, as it has cut two flowers to Scott's one during the winter months, and has averaged a better price. It is profitable to grow, especially for winter flowers, and use its bench room for small plants during the spring. Nearly all the young stock has been shifted from flats to 2-inch pots, and looks fine. Roses were also making a strong growth but will be a shade off for Easter. Beauties had an extra strong clean growth, likewise Woottons, Brides and Bridesmaids, especially the two-year-old stock, were making heavy canes from the base of the plant.

Wm. Trillow, at the St. Clair Floral Company's plant, was hustling earnations out into frames to make room the large number ready to come out of the sand, and in order to shift up the young stock on hand. Quite a lot of roses, geraniums, salvias and other stock is in 3 and 4-inch pots, and will need no more attention until sold, save giving more room. Carnations are the principal stock grown, and have averaged very fair during the season. Jubilee was showing up finely, but has proven rather late; Dazzle will be the main variety grown for red, with Portia to help out; Meteor will be discarded and Jubifee given a further trial; Scotts have proven a standard pink, and will be mainly relied on for that color; Mrs. Bradt has made a fine growth, and while not as prolific as some other varieties, it will be more extensively grown as a fancy variety, returning also a fancy price; Alaska is favored as a white, although a bench of Uncle John has proven very satisfactory; these two varieties with several of the newer whites will be tried again. A bench of callas in pots were full of flowers, and judging from the number of stumps left on the plants from flowers cut, they must have proven a paying crop. Abench of mignonette was in full crop and in excellent shape; quite a quantity will be cut for Easter. Longiflorum lilies will be too late for Easter use, the L. Harrisii grown, however, will be on time.

At E. W. Gny's the carnations were fine, a house of Daybreak and Armazindy being specially worthy of note; Armazindy is coming a shade smaller than during the winter season, but still ranks as fancy.

R. F. T

# The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order. No Special Position Guaranteed. Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for tess than one-half inch space not accented. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WITH this issue Mr. W. N. Rudd retires from the active management of the AMERICAN FLORIST.

WE PROMISED our advertisers that a copy of this issue would be mailed to 13,000 persons directly interested in the merchandise advertised, but we actually mail over 15,000 copies. The circulation, as usual, is limited to those in the trade.

By YOU, READER, who receive this Easter number, though not a subscriber, we ask a careful perusal of the eighty-six pages here presented. The American Florist offers you fifty-two numbers per year, not all of this size but of equal and vital value to you and your business, and invites you now, at the beginning of another active year, to send us one dollar for a year's subscription.

#### Philadelphia.

PRICES ADVANCING .- PROSPECTS GOOD FOR EASTER TRADE. - THE FLORAL EXCHANGE BUILD FIVE NEW HOUSES.-VISITORS.

The spring exhibition of the Horticulture Society is being arranged at this writing and bids fair to be a credit to the committees, who have worked hard to make it a success. The store men have apparently not lost much sleep over their exhibits, and competition in arrangements of cut flowers is not likely to give the judges much trouble-more's the pity.

There has not been much change in the cut flower market the past few days, although there is a tendency to stiffen prices on account of the expected rush next week. Violet prices have taken quite a brace, the warm weather of last week was too much for their gentle constitutions. The single varieties are now very small and it takes so many to make a respectable looking bunch that it hardly pays to pick them. The double are also much smaller and quite scarce; 50 to 75 cents per hundred is the price.

Roses continue about the same; Lons-

dale is now sending in the finest Beauties of the season to S. S. Pennock. They have stems six feet long with elegant flowers and foliage. Six dollars per dozen is the price such as these bring. Very nice stock with four foot stems goes for \$3. Teas bring from \$4 to \$12 per hundred, the \$6 to \$8 ones being the popular sizes. The Easter houses of Brunners are commencing to come in, \$2 per dozen being the price for fair flowers.

Carnations are stiffening a little, \$2 being asked for all good stock. For next week prices of carnations will advance more than any other flower; \$3 to \$4 for good stock will be about the price, with the fancies a trifle higher. Roses may advance about \$2 above the present figures for the teas, while the Beauties and Brunners will no doubt soarquite a little.

One of the commission men said in regard to the prospects of Easter trade that he expected to have a good week. He said he was getting letters from a lot of people who seldom bought, wanting choice things and plenty of them. And they will get them too,—that is if anything is left after our everyday customers, who also expect to be busy, are sup-

Easter stock in blooming plants is very fine this season and the growers say it is selling fast. Robert Craig & Sons' Crimson Ramblers are about all sold, and H. A. Dreer has had to stop taking orders for azaleas, his large stock being all disposed of for immediate or Easter delivery. This speaks well for a busy time all round, and it is to be hoped that April 10 may find every establishment, whether grower, wholesaler or retailer as bare of Easter stock as old Mother Hubbard'scupboard was of bones.

The Floral Exchange have just added to their plant five houses 22x125; these have glass sides three feet from the eaves which are six feet high. Four ground beds three feet wide are laid out with walks two feet wide, one of which extends entirely around the house next the walls. deteors are to be planted exclusively, this rose having done very well with them the past two seasons. Their place them the past two seasons. Their place now comprizes thirty-one houses in all with a glass surface of about 60,000 square feet.

Visitors in town: Lyod G. Blick and G. D. Levy and wife, of Norfolk, Va.; W. Asparagus Elliott, of Brighton, Mass.; W. Feast and E. A. Seidewitz, Baltimore; Benjamin Durfee, Washington, and others.

#### Cincinnati.

The inclement weather which prevailed here the greater part of last week had a paralyzing effect on business. We were having lots of rain but on mount the first indication of alarm among the the bottoms. The having lots of rain but on Monday was rain of Sunday and Monday was drenching; it upset all calculations. "That little river," as Mr. Scott called it a year ago, is now a rampant little ocean, sweeping away bridges, greenhouses and other buildings along the line. Messrs. Fred. Walz, Glins and Wolf are

again drowned out, and much sympathy is felt for them among the craft.

Retail trade the past week has been rather quiet, and the flower market Saturday, owing to disagreeable weather, was at a standstill. From present indications, there will be enough stock to go around for Easter, with the exception of Harrisii lilies. Violets at present continue a glut, but will be scarce for Easter; they are about done now. Choice blooming plants, such as azaleas, lilies, cinerarias, deutzias, spiras, roses and bulbous flowers will be plentiful.

Our down town stores are now lavishly provided with large assortments. The windows are very attractive, but sales slow.

Mr. Ernst Mack, of Price Hill, is on the sick list. Mrs. Charles Pfeifer, of New-port, is also reported ill. Our Holland friends are with us. Although railroads leading to this city from the east were cut off for three days, owing to the high water, they got here nevertheless. Messrs. Hermann Baartman and 11. Van Zonnevelt were here the latter part and Mr. Kuyck and several others the first part of last week.

H. Schwarz.

### Worcester, Mass.

Trade at present is fairly satisfactory, and good flowers are a little too plentiful. The weather has kept very warm, and this, of course, has pushed things along in spite of every precaution. It has also helped to get in some late batches of lilies for Easter, but I still think that there will be a shortage of lilies about the ninth of April and also of azaleas.

It appears now as if we were to have a very early season; the land is in good plowing condition and the farmers have already planted some early crops. buds on trees and shrubs are swelling rapidly; the earthworms have come to the surface and every sign points to an unusually early spring.

The first spring exhibition of the Horti-cultural Society was held March 24, and was unusually fine, and was well patronized. The show of carnations was one of the best ever staged in the hall and embraced nearly all of the '97 novelties. H. F. A. Lange, F. S. Blake and H. B. Watts received the premiums in the order named. Cyclamens were also in fine shape, and the same can be said of the azaleas and hyacinths. H. F. A. Lange took first premium on all three. F. A. Blake was awarded first for some well done plants of Primula obconica, and F. B. Madaus for cinerarias, unusually good. G. Marsten Whitin showed a fine collection of orchids. A. H. L.

#### Milwaukee.

Trade has improved here during the last week, although many of the flowers have gone for a low price; pretty plants have been selling constantly. It is the pure love of them that induces purchasers to take them at low prices.

Palm Sunday is more of a feature for florists than usual, many churches hiring palms for decoration.

Many azaleas intended for Easter have come in too soon. Mr. F. P. Dilger appears to be the most successful in holding his back. Pot lilies will be quite scarce. Cut lilies will be plentiful. Churches will not decorate extensively. There promises to be a large demand for small parcels.

March weather has disappointed our

expectations by being respectable.

Sweet peas and grass seed are selling quite lively.

C. B. W.

## Rochester, N. Y.

An unusual quantity of Easter stock had been prepared this year, perhaps unproportionate to the requirements of the city trade, and if all this stock had done well and been ready for marketing next week, someone would have to stand the damage; there is even now more potted plants in view than are likely to be wanted unless the demand should jump up above all expectations. Some of our florists would find the growing of cut flowers of any description a surer source of income than the handling of holiday or Easter plants, flowers were hardly ever overplenty with us during the past winter, while plants were offered everywhere at comparatively low figures and a large percentage of them would not find purchasers at any price.

The cut flower market was well stocked for the past week and trade was good; a large amount of funeral work created an unexpected demand, and but very little stock was left at the end of each day.

Prices have not changed materially, only in violets and bulbous stock they are very uncertain, the former especially so, some lots would go as low as 30 cents per 100, while others might bring readily 5 cents on the sameday, but quality had something to do with this. J. B. K

# SYNDICAT DES CULTIVATEURS D'OIGNONS A FLEURS,

OLLIOUES, (Var) FRANCE.



# A Remarkable Foundation in France.

From time immemorial flower bulbs have been grown in the South of France. In the second half of this century the improved means of conveyance by land and sea have made those bulbs an article of commerce, well known both in North America and in Europe.

Down to 1889 nearly the whole crop of Southern France was bought for a tritle by forestallers, who sold the bulbs at high prices to their customers. Under the existing circumstances matters could scarcely be otherwise. Two great ditticulties lay in the way of most growers, viz., ignorance of foreign languages and the expensiveness of traveling, so the growers stayed at home and remained dependent on the fore taller.

In 1770 the state of things was changed. Three years before about 400 grows: liad met at Ollioules (Dept. du sar.) and founded a com-

pany: Le Syndicat des Cultivateurs d' Oignons a Fleurs. The purpose of this syndicate (entering into commercial relations with customers for their Roman bulbs) soon began to be realized, but not without great difficulties. The forestallers, not being able to gain the same profits as in former years, got the syndicate entangled in a lawsuit, which, in the



Examining the Bulbs.

Treasurers.

Assessors.

Joseph Emeric Fils, }

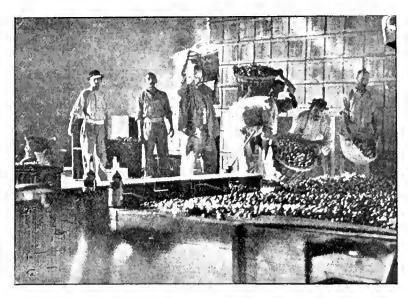
Edward Andrieux, Charles Arnand, Theodore Andrieux, Marius Bonnifay,

Anguste Infernet, Marius Emeric,

Gaston Lagarde, Manager.

During the management of the zealous and active Mr. G. Lagarde many improvements have been introduced, particularly referring to the treatment and the packing of Roman Hyacinths, Paper White Narcissus, etc., so that now the syndicate can offer their customers nearly full guarantee for the bulbs which are to be forwarded. In the month of June every member of

the syndicate brings his whole crop to



Spreading the Bulbs on Wooden Floors.

first instance, they lost; in the court of appeal however, they gained a glorious victory.

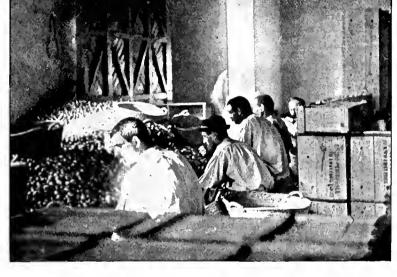
Since that time they have been steadily widening their sphere of action. Now, the syndicate consists, as stated above, of 400 members, cultivating an extent of several hundreds of hectares (3 hectares=5 acres). The board is composed as follows: A council of administration, consisting of 12 growers, and a director or manager appointed by election. Councillors are:

Theodore Fenouillet, President.

Alexandre Carvin,
Laurent Durand,

Vice-Pres.

Edward Mercheyer, Louis Fenouillet, Secretaries.



Sorting the Bulbs.



Women Wrapping the Liliums.

the syndicate stores, where it is received three times a week, by a committee of 3 members, one of them being a delegate of the council of administration.

How very busy this time must be may appear from the supply of every week, being on an average 1,500,000 bulbs. On receipt these bulbs are closely examined by the manager and the above mentioned committee. Only those which are thoroughly dry, in good condition and of the required size are accepted.

Immediately after acceptance the bulbs are spread on wooden floors to prevent them from heating; but not for any longer time than is required for sorting them according to their size.



Putting the Bulbs in Cases.

or in the case of Liliums, until they have been wrapped in tissue paper to guard them from damage.

As quickly as possible, for customers in general are not always so patient as might be desired, the bulbs have to be counted and put in cases. For two years past the syndicate has practiced

existence of the syndicate only 1,500,000 bulbs were exported, this number has gradually increased, and since two years ago the syndicate unanimously appointed their sole agents the firm C. J. Speelman & Sons, wholesale growers of Dutch bulbs, the export has reached the number of



Coopering and Nailing the Cases.

a more intable manner of packing the bulb, in consequence of which their arriving in good condition is guaranteed.

When they have been coopered, nailed up, marked and numbered, they are ready to be forwarded to their de tination.

though in the first year of the they have done until now.

about 4,000,000 bulbs a year, requiring the labor of some thirty men and women. Customers are found in the U. S. A. and Canada, in England, Scotland, Germany, Austria, Russia, Sweden, Norway, Denmark and Holland, and we confidently hope that the syndicate will go on prospering as they have done until now.

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Mme. G Luizet Ulrich Brunner
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| crowns                                          |
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SITUATION WANTED—Where first-c'ass stock is grown. Best ret's past nod present employers; 24, state wages. W D care W. W. Coles, Kokomo, Ind.

SITUATION WANTED—By an experience d gardener and florist or private or commercial place; age 33, married. Best of references. W R. care American Florist.

CITUATION WANTED-By a first-clars grower of toses, 'mums, carnations, violets, tomatoes, cumbers and other plasts. Best references; married, no children F. F. RENTZ, Lancaster, Pa.

SITUATION WANTED—By florist with life experi-becein growing good cut flowers and plants. Am. Beauties a specialty Good references as working fore-man from presentemployer. A M. care Am Florist.

SITUATION WANTED-By A1 cut flower grower, roses specialty. Successful propagator; Hyears' experience. Sug'e. Address
L. J. Nielsen, 315 Jones Ave., Burlington, New Jersey.

SITUATION WANT AD-By competent florist and gardener. 38 years old, single speaks and reads German and English; would like charge of a private place as it rist and gardener. Best references steady place, fult wages. STEADY, care Am. Florist.

UTUATION WANTED—As foreman or manager to take charge of private or commercial place. Practical plant and cut flow-recover. A life long experience as a north and gardener. Leaving present employer to reasons which can be satisfactorily explained. Can be well recommended by present employer. Married, J. W., 306 27 th St., Milwankee, Wis.

WANTED-Few stock plants of Bouy-rdla: state va-rletles and price. F. L. Bills, Daveaport, .a.

WANTED-Two men for potting and two men for helping in rose houses. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED-Price lists of young seedlings of all kinds of shade, fruit and ornamental trees. THEAKE VAN DER MEULEN, Dunkirk, N. Y.

WANTED-A florist, single man. Wages \$20 per month with board and room. J. W. & E. E. ARNOLD, 1210 N. 18th St., Omaha, Neb,

WANTED-Foreman for a commercial place: must be a No 1 rose grower, especially Beauties; mar-ried man preferred.

J. M. Rogers Park Station Y, Chicago.

WANTED-A reliable, industrious German for private garden. Must have references; no green-houses. Apply to ERNST WIENHOEBER, 415 E'm St., Chicago. houses.

WANTED TO RENT-Established florist business; houses must be 1 good condition. Or would buy interest in business. In writing give full particulars. Address G J G, care American Florist.

WANTED-Two single young men, one having fair knowledge of greenhouse work, the other capable of growing vegetables Willing to pay \$29 and board.

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WANTED—A German florist, married to take a half share in a good business where roses, carnations, mums and general stock is used, in connection with store. No capital required. Can rent the place after the first season.

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WANTED AT ONCE—Man for general gardening, especially inderstanding care of lawns and shrubbery. Must be young man with experience, stogle, sober and industrious: 2 hours from Boston; wages \$40 per month for 6 months; hoard and room cheap. Address J. C. RANE. Durham, N. H.

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MR. FRED BREITMEYER,
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DEAR SUR:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted ealyx the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care. Yours truly, C. W. JOHNSON.

II. DALE, Cut Flower Grower, Brampton, Ontario.

MESSRS. J. BREITMEYER & SONS,
Mt. Clemens, Mich.;
Gents:—The plants of Cerise Queen which you sent me last spring for trial have done well; the flower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year.

Your truly.— H. DALE.

DAILLEDOUZE BROS.

DAILLEDOUZE BROS.

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JOHN BREITMEYER & SONS.

GENTS:—We have a few plants of your No. 16,
Cerise Queen, on trial; the flower is medium size,
but fine color, in fact the only fault we find is its
dwarf habit; we should like to grow some for side
benches, as we believe it far superior to Tidal Wave
for that purpose, and should make a commercial
variety, but not high priced. Please give us your
best price on 1000 rooted cuttings.

Very truly yours,

DAILLEDOUZE BROS.

GEO, A. RACKHAM, Wholesale Grower, Detroit, Mich.

J. BREITMEYER & SONS,
Mt. Clemens. Mich.,
DEARSINS: In reply to yours asking as to my success with your No. 16, Certse Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.

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| \$50 T(00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Feach trees \$10,00 to \$35,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PRIVET.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 4 2 Propert 10 00 to 35 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| t al. Privet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 20,000 Beld Stown Winherobers 20,000 to 85,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Vertebit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Shrubs, our selection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Grasses, in variety. 30,00 to 60,00 Honeysnekle Evergreen. 30,00 to 60,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Japan Mapies, Atropurphreum, 12 to 18 inches.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| \$3.00 per 10; \$25.00 per 100.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Large Shade Trees of all varieties, 214 to 4 inches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| in diameter. Priced upon application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| tarolina Poplar, fine Per 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 8 to 10 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10 to 12 ft 16.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 19 to 14 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 14 to 16 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pin Daks—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4 to 5 ft.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6 to 5 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sec. 10.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| - San Kardish Reedy Macabla Hypoleuca, Faryi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| flora, Steliata, Watsonii and Conspicua.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Proces on ambiguitum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 100,000 Evergreens and small shribs cheap, for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| transplanting. Send for price list.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Per 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| pi0,000 Dwarf Box \$1.50 to \$3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Hollis Box 83, total of the control |
| Thempile naliminal straight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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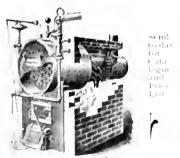
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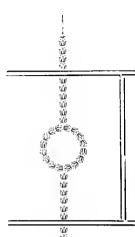
If so, you should write for BURPEE'S BLUE LIST, which gives wholesale prices for Market Gardeners, Florists and Farmers' Clubs, #3-In writing for this list be sure to ask also for our complete descriptive catalogue—The FARM ANNUAL FOR 1898—if you have not already received a copy.

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Unusual warm and cloudy weatheraccompanied with unceasing rains for over a week past has played sad havoc with a great many flowers intended for Easter sales, forcing out a great many too early, thus over throwing the calculations of a great many florists for a good lot of several leading sorts of flowers; nevertheless a few florists will be right in the swim with lilies and bulbons stock generally.

Nanz & Neuner excel this spring with first-class carnations and mignonette.

Thompson & Son can pride themselves with very well grown cinerarias of an unusual good strain of the dwarf largeflowering class

Jacob Schutz will as usual lead in quantity and quality of his bulbous stock, and a house full of Harrisii lilies will come in just right for Easter.

Chas. Reinard will have a good lot of lilacs, and a splendid batch of lily of the valley for Easter.

George Shulz had this winter the best single as well as double violets, and feels justly proud of the fact.

Marret has his show house well stocked with a fine well grown lot of begonias. A bed of Bridesmaid roses in first-class condition will bring a rich harvest for Easter.

Ed. Reimers has for a year made a specialty of decorative plants, and his India rubbers, one and a half to two feet in height, well covered with grand foliage, will meet with ready sales this spring.

Haupt's Floral Bazaar, with its fine show window, shows to great advantage some good flowers from several home

growers and Chicago houses.
Sam Thompson seems to monopolize the trade in cheaper work, and the opening of the American Restaurant's new building gave new testimony to that effect

Our park commissioners had to send east this spring for a forester to teach their park superintendents and other employes how to trim and eare for trees.

I believe the florists have decided to do without a spring show this year.

C. G. N.

COLLEGE OF FORESTRY.—The state of New York has appropriated \$10,000 for the establishment of a College of Forestry at Cornell University

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Cycas Leaves, Baskets, Wheat Sheaves, Doves, Pins, Foil, Pot Covers, Iron Plant Stands, Wire, etc., etc.

# Steam and Hot Water Heating.

There are comparatively few steam and hot water fitters who make a specialty of greenhouse heating, and as a consequence many fitters know little about this class of work. The florist himself is often compelled to take a hand in the fitting of his heating pipes, and not always as a matter of economy, but as a matter of necessity.

There are often many changes to be made from time to time, in the line of heating pipes, caused by extensions or additions to the houses, some slight and others quite extensive. The heating plant of a greenhouse is the most important consideration. The florist therefore should be practical in the matter of heating as well as in cultivation. He should know how to properly heat any space to any desired temperature, by the various systems in use. He should be able to run the necessary lines of pipe, make the joints, and do all the necessary work of this kind, and by having the knowledge to do all this, laboring men may be hired to execute the work.

Every greenhouse should have a good set of pipe fitter's tools, in order to be able to make necessary repairs without delay. In greenhouses of any extent it is a good policy to keep also on hand extra pipe, and a fair assortment of fittings, as well as a quantity of all necessary material used on such work and not depend on finding some special fitting, or other material that may be wanted in a hurry, at some plumbing or tin shop.

There is a great variety of pipe fittings for the various angles and positions in heating plants, and it is a proper thing to be acquainted with them, to know their

correct names and to know just where these various special pipes and fittings can be purchased.

The two special systems of greenhouse heating are steam and hot water. With the steam system of heating wrought iron pipes are alone used, while with the hot water system of heating, either wrought iron or cast iron pipes may be used. Many of the leading boiler manufacturers of this country are, of late years, giving special attention to greenhouse heating, and are producing boilers with special features for this class of work.

There are also many new arrangements of pipes and special appliances pertaining to greenhouse heating, which we propose to illustrate and explain from time to time in these columns, in a comprehensive and practical way, so that the florist who deserves to be up to date in greenhouse heating can do so. A cheap way of constructing a hot water heating plant for greenhouse work is by using old boiler tubes. There is scarcely a concern which makes wrought iron tubular boilers, that has not at all times large numbers of old tubes that have been taken from condemned boilers. Such tubes cannot be placed in new boilers again even should some of them be good, and the consequence is that they go to the scrap heap and are melted up. As such tubes are generally in long lengths, they can be used to advantage under long benches for heating coils, fitted together in the same manner as the regular cast iron greenhouse pipe, with calked rust joints. The regular greenhouse cast iron fittings will not answer to connect with the boiler tubes, but cast iron soil pipe fittings will answer for this purpose, and they can be found in any market.

To use old boiler tubes of two and a quarter or two and a half inches in diameter as heating pipes, two inch soil pipe fittings would answer, and to use tubes of three and a quarter or three and a half inch diameter, three inch soil pipe fittings would be the proper size. As the pressure of water on such plants would be very light the standard weight of fittings would do the work and at the same time be the cheapest. As there will be no threaded joints on such work, it will simply be necessary to use a pipe cutter to get the correct lengths in fitting ends of lines, and at the same time carefully ream out the ends of the tubes after they have been cut, so that the rough ends will give as little resistence to the flow of water as possible. JAMES J. LAWLER.

#### A Novel Idea.

A clever Tremont street florist has succeeded in keeping a crowd of sightseers in front of his window by exhibiting a chip hat very artistically trimmed with violets and other natural flowers. The combination proves too much for the female heart, and as a consequence of much profit to the florist and corresponding loss to the unfortunate swain.—Louisville Post.

The Central New York Horticultural Society has made arrangements to give three premiums at its exhibition next fall to the children who are able to win them. In May or June the society will distribute 1500 chrysanthemums among the local school children. The three children whose plants make the best appearance at the fall exhibition will receive the prizes.

SYCAMORE, ILL.—Elmer Boynton will build two greenhouses, each 24x100 feet.

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| GL.  | ft. | 4    |       | 42-ins.   | **      |    | 15.00       |
| m.   | ft. |      |       | 45-1115.  | 1.0     |    | <br>15.00   |
| 7    | ft. | - *  |       | fill-ins. |         |    | <br>(0,00   |

#### PYRAMIDAL-SHAPED BAYS

| THAMBAL OUR ED BATOL                                 |             |          |
|------------------------------------------------------|-------------|----------|
| 7 ft. high, 32-ins. diam, at base, tapering          | $\{ \omega$ |          |
| point<br>s ft. high, 36-ins, diam, at base, tapering | . ,-        | 10,00    |
| s ft. high, 36-ins. diam. at base, tapering          | 111         | 12.00    |
| s ft high, 40 ins. diam, at base, tapering           | to          | 1 3.1111 |
| point.                                               |             | 15.00    |
| *                                                    |             |          |

#### CONICAL OR PILLAR BAYS.

| 9 | ft. h | igh, 36-ins | diam. at | base, | 12-ins.  | at top. | 25.100 |
|---|-------|-------------|----------|-------|----------|---------|--------|
| 7 | II.   | 54-1ns.     | * -      |       | 30-111~. |         | 40.00  |

#### STANDARD OR TREE-SHAPED BOX.

7-in, pots,26 to 28-ins, high, with 12-in, crowns, 4 00

#### PYRAMIDAL-SHAPED BOX.

n pars, 32 to 36-ins, high, 15-in, diam, at base, tapering to a point

#### CIBOTIUM SCHIEDEI.

Undoubtedly the finest of all Tree Ferns, and while it has a most debeate appearance, stands better than any other. Possesses a grace bound in no other plant and used extensively by castern decorators. Fine plants, 7-in. pots \$2.50 each.

#### ARECA LUTESCENS.

| Inch puts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Height.      | Each.  | 107.    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|---------|
| n Very bushy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 28 to 30 ms. | \$1.00 | \$12.00 |
| 7 10 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32 to 36 ··· | 1.50   | 15,00   |
| Mark Control of the C | 36 to 42     | \$,50  | 30,00   |
| 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 42 to 45     | 3.00   | 36,00   |
| 9 Heavy single plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | < 45 to 60 " | 6,00   |         |

|            | CUCUS        | WEDDELIANA.               |         |
|------------|--------------|---------------------------|---------|
| Inch pots. | Height.      | Per duz.                  | Per 100 |
| 3          | 8 to 10 ins. | 82.50                     | \$20,00 |
| 3          | 10 to 13 "   | 3,00                      | 25.00   |
| 3          | 15           | 5.00                      | 40,00   |
| 11 1.      | at a line    | and the second control of | ·       |

We also offer a limited number of specimen plants in 8-in. pots, 3 to 3½ ft. high, with 8 to 9 leaves 36,00 each.



STANDARD BAY.

#### LATANIA BORBONICA.

4-In. pots. 4 to 5 leaves, an excellent lot of exceptional value,83 per doz.,\$25 per 100, \$225 per 100; 5-in pots, 5 to 6 leaves. 18 ro24-in. bigh. We have an immense stock of this fine size for retailing \$5 per doz., \$40 per 100; 6-in. pots. 5 to 6 leaves, 18 to 24-in. bigh, \$9 per doz., \$50 per 100; 7-in pots, 6 leaves, 24-in. bigh, \$12 per doz., \$100 per 100.

#### KENTIA BELMOREANA.

| pots.    | Leaves.    | Heigh    | t.   | Each.         | Dozen   |
|----------|------------|----------|------|---------------|---------|
| 4        | 5 to 6     | 15 to 18 | ins. | \$ 0.50       | \$ 6.00 |
| 65       | 6          | 24 to 30 | **   | 1.75          | 21.00   |
| 6        | 6          | 30       | 1.6  | 2.00          | 24.00   |
| 7        | fi to 7    | 32 to 36 | 9.1  | 2.25          | 27.00   |
| 8        | 6 to 7     | 36 to 42 | 1.5  | 4.00          |         |
| 8        | 7          | 42 to 48 | 4.5  | 5,00          |         |
| 9        | 6 to 7     | 48 to 54 | 1.5  | 7.50          |         |
| 10       | 6 to 7     | 54       | * 1  | 10,00         |         |
| 13       | 7 to 8     | 7 feet   | *    | 35,00 to \$50 | 0,00    |
| 16-in. t | ubs 8 to 9 | 9 feet   |      | 75.00 to 100  | 00,0    |

#### KENTIA BELMOREANA-Made-up Plants.

7-in, pots, 4 plants in a pot, center plant about 30 ins, high, others about 18 ins, high, \$3.50 each.

9-in pots, 4 plants in a pot, center plant about 36 ins, high others about 20 ins, high, \$5.00 each.

9-in, pots, 4 plants in a pot, center plant about 4 feet high, others about 2 feet high, \$10.00 each.

#### KENTIA FORSTERIANA.

| pots.     | Leaves. | Heigh    | f    | Each.         | Dozen   |
|-----------|---------|----------|------|---------------|---------|
| 6         | 6       | 30 to 36 |      |               | \$18,00 |
| 7         | 6       | 36       |      | 2,00          | 24.00   |
| 8         | 6       |          |      | 3.50          |         |
| 9         | 15      | 48       |      | 6,00          |         |
| 9         | 6       | 52       | * 5  | 7,50          |         |
| 10        | 6       | 430      | 1.   | 10,00         |         |
| 13-in, tu | bs. 7   | 6        | feet | 25,00         |         |
| 12 "      | 7       | li.      |      | \$35.00 to \$ | 50,00   |
| 14        | ī       | 7 to 8   |      | 35.00 to      | 50,00   |
| 16 "      | ĩ       | 10       | • •  | 75,00 to 1    | 00,00   |

#### KENTIA FORSTERIANA - Made-up Planis.

8-in, pots, 3 plants of equal height, from 36 to 42 inches high, in a pot, \$3.50 cach.

10-in, pots, 4 plants in pot, center plant 5 feet high, others 2 feet high, \$10,00 each.

12-in, pots, 5 plants in pot, center plant 6 feet high, others 21/4 feet high, \$25.00 each.

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\_\_\_\_1620 Olive Street, ST. LOUIS, MO

THE AMERICAN FLORIST'S & MAN PRICE \$2.00. MAN PRICE \$2.00.

#### Harrisburg, Pa.

The gloomy weather of last week has decreased business but we should not complain as this winter in every respect has been more satisfactory than last.

The Bermuda lilies look very promising, but owing to the disease with which so many bulbs have been affected, there will be a considerable loss. I have tried the bulbs in four different ways. First, by selecting loam which had not been used for a number of years, without manure of any kind. Second, by potting them in three different sized pots 4, 5 and 6-inch. Third, by potting one half of the number outside in a shady place, and the other half in a coal house during the summer. Fourth, by keeping one part growing right along, while the other part received regular treatment.

I find that those which received the loam without manure, and were placed outside in 5 and 6 inch pots, and kept there until quite cold, then removed into the house and allowed to grow right along showed less disease and gave better results; while the others that were given regular treatment were one-half diseased.

I do believe that the treatment men-tioned above will ripen the bulbs the disease being caused by them being

shipped when too green.

I will be glad to hear of the trials and results of other florists.

Our local florists at present are kept very busy. The old reliable establishment

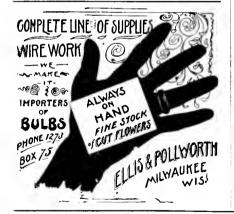
of the Joseph Schmidt is crowded with funeral and decorating work, and has been given large orders for the holidays.
The Melrose Flower Co. is doing a large

business, as is shown by the orders given by it to the Paxton Greenhouses and other wholesale establishments.

C. E. T.

#### ashes cheap. ALSO PURE GROUND BONE.

Write for prices CEORGE STEVENS, Peterborough, Ont.



# Wholesale Flower Markets

| Charles and Manach Cl      |
|----------------------------|
| Cincinnati, March 31.      |
| Roses. Beauties select     |
| medium                     |
|                            |
| " Brides 4 00@ 5 00        |
| Driuesmanus 4 una 5.mi     |
| " Meteors 5.00@ 6.00       |
|                            |
| " Perles 4 00              |
| Carnations                 |
| " fancy 2.00@ 3 00         |
| Lily of the vailey 3.00    |
| Billy of the valley 3.00   |
| Romans 2 00                |
| Narcissus 3.00             |
| Daffodils 3,00             |
| The later                  |
| Violets                    |
| Harristi                   |
| Callas 8.00@10.00          |
| Tulips                     |
|                            |
| Smilax                     |
| Adiantum 1.00              |
| Asparagus 50.00            |
| Asparagus                  |
| Om Lawra Manch 01          |
| St. Louis, March 31.       |
| Roses, Beautles 2 50@35 00 |
| th Marcons 1,00% c 00      |

| Roses, Beautles 2 50@35 00       |
|----------------------------------|
| " Meteors 1.00 @ 6.00            |
| " Brides, Bridesmalds 2,00@ 6.00 |
| " Perles                         |
| " Wootton 1.00@ 3 00             |
| " La France                      |
| " Kaiserin 2.00@ 6.00            |
| " Carnot 1.00@ 6 00              |
| Carnations                       |
| Violets, California              |
| Lily of the valley 2.00          |
| Harrisii                         |
| Callas 8,00@10,00                |
| Tuftps 3.00 a 5,00               |
| Narcissus. Romans 1 00@ 2.00     |
| Smilax                           |
| Freesia 2.00@ 2.50               |
| **                               |

| MILWAUKEE, APIH 1.                 |
|------------------------------------|
| Roses. Beautiesper dozen 1.00@3.00 |
| " Brides, Bridesmalds 3.00@ 6.00   |
| " Perle, Belle                     |
| " Meteors 3.00@ 6.00               |
| Carnations                         |
| Violets                            |
| Romans                             |
| Lally of the valley                |
| Freeslas 2 00@ 3.00                |
| Tullps. Hyacinths 2.006 3.00       |
| Von Slous, Jonquils 2.00@ 3.00     |
| Callas, Harristi 8.00@10.00        |
| Smilax                             |
| RIPPALO March 21                   |

| BUFFALU, March of.                   |       |
|--------------------------------------|-------|
| Roses, Beautles                      | 50.00 |
| " Brides, Bridesmaids, Meteors 8.00@ | 12.00 |
| " Perles 5.00@                       |       |
| " Niphetos 5.00@                     |       |
| " Kaiserin, Mermets 8.00@            |       |
| Carnations extra 3 00@               | 4 00  |
| " ordinary 2.50@                     |       |
| Lily of the valley 3 00@             | 4 00  |
| Violets                              | 1 00  |
| Romans3.00@                          | 6.00  |
| Harrisii                             | 15.00 |
| Smllax                               | 20.00 |
| Adiantum 1.25@                       | 1.50  |
| Aspsragus50.00@                      |       |
|                                      |       |

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Strings 8 to 10 feet long,

50 CENTS.

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# I KIPI T I N

ON BACK COVER PAGE.

# Wholesale Flower Markets

# CHICAGO, April 1. Roses, Beauties ... per doz, 1.00@5.00 "Brides ... per doz, 1.00@5.00 "Meteors, Bridesmalds, Kalserin, 3.00@ 6.00 "Perle, Gontiers ... 2.00@5.00 "La France, Testout ... 6.00@10.00 "In a fancy ... 3.00@6.6.00 Violets ... ... 50@2.1.00 Narcissus, Romans ... 2.00@4.00 Callas ... ... 8.00@10.00 Harriell ... 8.00@10.00 Harriell ... 8.00@10.00 Lily of the valley ... 2.00@4.4.00 Tulips ... 1.00@4.4.00 Tulips ... 1.00@4.4.00 Tulips ... 3.00@8.8.00 Adiantum ... 12.00@15.00 Asparagos ... 50.00@75.00 CHICAGO, April 1.

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19 & 21 RANDOLPH STREET, Fine Stock a Specialty. CHICAGO.

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WHOLESALE GROWERS OF

600,000 Leet of Glass. We can lill all orders on short notice with all leading varieties of Roses and Carnations. We Are Headquarters for the American Beautles. Give us a trial and convince yourself. I was



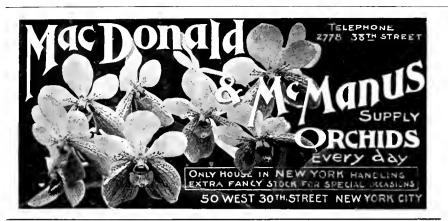
Per 100 #1,50 1,50 1,50 #10.50 10.50 BRIDESMAID 12.50 1.50 KAISERIN BELLE SIEBRECHT

# ROSE PLANTS

### ROOTED CARNATION CUTTINGS.

| JUBILEE          |         | <br>2.00   | 15.00   |
|------------------|---------|------------|---------|
| Wm Scott         |         | <br>, 1 00 | 7.50    |
| Nancy Hanks      |         | <br>E DO   | 7.50    |
| Tldaf Wave       |         | <br>E 00   | 7.50    |
| Portla.          |         | <br>1 00   | 7.50    |
| Lizzie McGowan . |         | <br>1.10   | 7,50    |
| Goldfineli .     |         | <br>1.00   | 7 60    |
| Mrs Thompson .   |         |            | 7.50    |
| Daybreak .       |         | <br>1.50   | 12.50   |
|                  |         |            | 12.50   |
|                  |         |            | 12.50   |
|                  |         |            | 12.50   |
| Harrison's White | ******* |            | 12.60   |
|                  |         |            | 12, 50  |
|                  |         |            |         |
| Mines 11111      |         |            | 25, 400 |

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No. 1403 Fairmount Avenue,

felephone, Long Distance.

PHILADELPHIA.

# Wholesale Flower Markets

| NEW YORK, March 30                                       |       |
|----------------------------------------------------------|-------|
| Roses, Beautles                                          | .00   |
| " Brides, Bridesmalds 2 00@ 6                            | .00   |
| " Testout, Carnot 3.00@ 8                                | .00   |
|                                                          | 5,00  |
| Carnations 1.00@ 1                                       |       |
| " fancy 1 50@ 3                                          |       |
| Lily of the valley 1.00 & 2                              | . 00  |
| Mignonette                                               | .00   |
| Violets                                                  | .40   |
| Harrisii, Callas 4.00@ 5                                 | 00.د  |
| Daffodils, Tulips 1.50@ 2                                | .00   |
| BOSTON, March 30.                                        |       |
| Roses Beautles                                           | . 00  |
| " Brunners 6.00@25                                       | .00   |
|                                                          | 00    |
| " Brides, Bridesmalds, Carnot 2 00@ 8                    | .00   |
|                                                          | 5 00  |
|                                                          |       |
| Carnations                                               | 2.00  |
| Violets                                                  | .40   |
| Harrisli, Calla                                          |       |
| Tulips                                                   |       |
| 2                                                        |       |
| PHILADELPHIA March 30.                                   |       |
| Roses, Beautles, select, per dozen. 3.00 medium. 6.00@15 | . 00  |
| " Brunners                                               |       |
| Drumers                                                  |       |
| Teas 1.00@1:                                             | 3.00  |
| fancy                                                    |       |
| Lily of the valley                                       | 2.00  |
|                                                          |       |
|                                                          |       |
| Narcissus                                                | \$.00 |
|                                                          |       |
| Harrisil                                                 |       |
| Smllax 12.00@ 1                                          |       |
| Similax                                                  | 0.00  |
|                                                          |       |

# 1612-14-16 LUDLOW ST. PHILADELPHIA, PA.

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SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR. BRIDESMAID, BRIDE.

**Record Breaking Carnations** 

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Roses shipped to all points. Price list on application.

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Will find a good market and good returns for their stock at....

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25,000 for Easter. We have the largest and finest stock in the West. Our long experience in handling these lilies enables us to deliver them in the best condition. We guarantee them to arrive

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BEAUTIES 50,000 plants to cut from and now in full crop.

TEA ROSES A large stock such as BRIDES, BRIDESMAIDS, METEORS, PERLES, CARNOTS and KAISERIN, all of our own growing.

CARNATIONS as well as good common sorts.

THE VALLEY

15,000 extra choice cold storage pips at three cents. This is fresh cut every day.

IPS Yellow Prince, Courless, Cardinal, Murillo, Kaiserskroon and La Reine. Price 4 cents.

AFFODILS Double Von Sions, 10,000 fine large flowers. Price \$2 to \$3 per hundred.

ASPARAGUS 3000 very fine long strings. Price 30 cents per string.

SMILAX is very scarce, we shall have a limited quantity at \$2.50 to \$3.00 per dozen.

PEAS Blanche Ferry at \$1.50 per hundred.

MARGUERITES A large quantity, 50 cents per hundred.

DUTCH HYACINTHS Pink and light blue, \$4 to \$6 per hundred.

# THE ABOVE STOCK

and we guarantee it fresh and good quality. Write us for our Florists Price List issued every week.

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BRIDES BRIDESMAIDS METEOR \$3.00 \$25.00 TRIUMPH

CARNATIONS DAYBREAK WM. SCOTT HARBISON'S White MINNIE COOK ROSE QUEEN 12.50 7.50

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GREENHOUSES: HINSDALE, ILL,

Long Distance 'Phone, No. 10.



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For Easter Trade

# HARRISII, TULIPS, DAFFODILS, VALLEY, VIOLETS......

And Extra Choice Bulb Stock of All Kinds

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| P. AND D. AT COST.              | PER 10         | 00     |
|---------------------------------|----------------|--------|
| Meteors, extra select           | \$5.00 to      | \$7.00 |
| Maids and Brides, extra select. | 5.00 to        | 7.00   |
| Meteors, Maids and Brides,      |                |        |
| good average                    | 4.00 to        | 6,00   |
| l'erles, extra select           | 4 00 to        | 6 00   |
| Roses, our selection            | 1.00           |        |
| Harrisii                        | 8.00 to        | 15.00  |
| Callas                          | S,oo to        | 12.50  |
| Valley, the best                | 3,00 to        | 1.00   |
| Violets                         | .75 to         | 1,00   |
| Marguerites, white              | .50 to         | ,60    |
| Marguerites, yellow             | 1,00           |        |
| Carnations, extra-select        | 3.00 <b>to</b> | 1,00   |
| Carnations, white               | 4 00 to        | 5.00   |
| Carnations, good average        | 2,00 to        | 4.00   |
| Tulips, single, all colors      | 3,00 to        | 1,00   |
| Tulips, double, fine            | 3,00 to        | 5.00   |
| Tulips Klehm's Novelty, light   |                |        |
| pink                            | 3,00 to        | 4.00   |
| Daffodils                       | 2,00 to        | 1,00   |
| Narcissus                       | 1 00 to        | 2.00   |
| Mantum                          | 1,00           |        |
| Similary scarce                 | 15.00 to       | 20.00  |
| Vsparagus, perstring, 50 to 65c |                |        |
| Galax, per reco \$1 50          | 21)            |        |
| Common Ferns, per 1000 \$2.00.  |                |        |

HARRISII IN GREAT NUMBERS AT PRICES TO SUIT ALL...... TULIPS SINGLE, All Colors.

Small and Large Orders Booked on Bulb Stock.

> TULIPS DOUBLE, Very Fine. VALLEY THE VERY BEST. TULIPS Klehm's Novelty, Light pink.

TRY THEM. HARRISH for all. Special Line of Bulb Stock for Easter. Book Orders Early.

> VIOLETS LADY CAMPBELL, and all others, of extra quality and in quantity. CARNATIONS WE ARE HEADQUARTERS.

Book Orders Early as they are filled in rotation. ORDER OF US.

Carnation Rooted Cuttings of all kinds.

# DAFFODILS, NARCISSUS, Etc.

Let us have your orders, we will fill them, The Values we give are our Best Advertisements. All Flowers in season at Lowest Market Rates. Prices given are for good stock specially selected, and inferior quality will be charged according to value.

Jobbers in all Kinds of Desirable Florists' Supplies.

WRITE FOR CATALOGUE AND PRICE LISTS Store Open until 6:30 P.M. Sundays and Holidays Noon Only.





# For Easter

American Beauties, Roses, Carnations,

Harrisii, Tulips, Etc., Etc.

ALL OUR OWN GROWING.

# Rogers Park Floral Co.

51 and 53 Wabash Ave., CHICAGO.

# For Easter

# Asparagus Plumosus

OUR NEW CROP

Is in fine condition. Just what you need for Easter Decorating. Send in your orders, large or small, and they will be promptly filled as our supply is abundant. & & &

**CUT STRINGS** 10 Ft. Long,

50 Cents

10,000 STRINGS ON HAND

C. O. D. to Unknown Parties.

W. H. Elliott, Brighton, Mass.

# ORDER QUICK So As to Get 34.34



GOOD CUT FLOWERS

FOR LASTER SALES

**Baroness** Rothschild Roses

> In 6-inch Pots, \$ 9.00 per dozen. In S-inch Pots, \$12.00 per dozen.

PRICE LIST ON APPLICATION

Illinois Cut Flower Co.

51 and 53 Wabash Ave. Chicago

J. B. DEAMUD

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# PROFIT IS CERTAIN

in the prudent and thorough heating of a greenhouse as much as in large sales of stock. If a florist is burdened by an unnecessary annual tax of from



for fuel and extra labor he must work much harder in order to make up this unnecessary tax out of the profits of his business. We know from our past experience that there is no unnecessary tax for fuer and labor when our boilers are used, because they are made after eareful examination of the reasons why other boilers have failed and their construction avoids the defects shown. No one has bought

# OUR BOILERS

that ever regretted it and thousands have bought and look back at the cost as the best investment they ever made

#### SEE WHAT

these florists say:

8. L. BRONSON, New Haven Conn., Jan. 4th, ISIS says: I have in my greenhouse one of your No. 12 Standard Sectional 11ct Water Beilers, lought June 2-th, 187. I find that its work is truly excellent and think it it the beat heater I ever had. I can find no fault with it in any particular. GEORGE BOYCE, Florist Pitch, N. Y., Jan. 31st, 1888, says: I have thoroughly tested the No. 50 Standard Sectional Hot Water Beiler bought of you had fall and it is a pronounced success. It is very easy to raise the water to a high temperature and keep it to. The bodier is easy to eperate and I can arrange the fire at Bo'clock at hight and find it in good condition at a clock in the morning, and by the one of drafts quickly obtain a new, bright fire for the day. The arrangements for cleaning are admirable as every part of the boller is necessable to the light and clean brush. You have certainly secured the right construction for a first-class greenhouse heater, and I can heartly recommend to additionals.

#### OUR GREENHOUSE CATALOGUE

is free, and we are in business to give information about our boilers and heating greenhouses, and solicit corres pondence.

WE CAN MAKE

GIBLIN & CO., Utica, N. Y.



#### Pittsburg.

There is no improvement to report in the trade situation. Business has been very quiet during the past week, but all are looking forward to a good Easter business notwithstanding the Spanish war outlook, and many believe that even if hostilities should occur it will make comparatively small difference now that

Easter is so near at hand.

Easter is so near at hand.

The Pittsburg and Allegheny Florists' and Gardeners' Club held their regular meeting, which was very well attended, on Thursday night, the 24th. "Carnations" was the subject for discussion, and according to previous arrangement a very fine exhibit was made, the "question box" forming the medium for remarks, as there were no set essays the "question box" forming the medium for remarks, as there were no set essays or speeches delivered. Mr. Gus Ludwig exhibited from Messrs. H. Weber & Son, Oakland, Md., a fine collection including Daybreak, Buttercup, Mrs. Geo. M. Bradt, extra fine Della Fox, Flora Hill and Eldorado, also a remarkably fine bunch of the Mrs. Robert Garrett rose; from John Murchie Sharon, margnerites, white and yellow, very large blooms with stems fifteen inches in length; orchids, Dendrobium fimbriatum, and seed-ling carnations, a pink from Rose Queen and Peachblow, a white from Storm King and McGowan, and a dark red which has been recently named Walter Harvey after one of our oldest floriculturists in this vicinity. These seedlings were commended by everyone. From Mr. Chas. Hoffmyer a fine lot of Allium Neapolitanum and roses, Bride and Bridesmaid, with stems over thirty inches long—foliage and blooms first-class. Mr. Fred Burke exhibited Buttercup, Mrs. Geo. M. Bradt and Hector, which were fully up to

the standard for quality.

Mr. E. C. Ludwig had a fine collection on exhibition from Mr. 11. D. Roher, Lancaster, Ohio, Albertini, stems thirty inches in length, blooms very fine; from Ohl Bros., roses and Daybreak and Flora

Hill carnations.

The discussion as to how to grow carnations successfully was participated in by nearly all the growers present, and all left feeling satisfied that with matters of importance coming before them the waning interest in the club would be stimulated and revived in a marked degree.

Mr. James Dell has accepted a position as manager for Messrs. J. F. Gibbs & Son at their place, 5515 Fifth avenue, E. E.

# A. L. RANDALL

...WHOLESALE...

# Cut Flowers



DON'T FORGET THAT WE HAVE MOVED x.OTx

4 Washington St. CHICAGO

Get Easter orders in early as possible and get the best.



Will be well supplied with the finest Harrisii in the city. Also Fine

Bulb Stock, Roses,

Carnations. Etc.

# JAMES M. KING,

Wholesale Florist

A FULL LINL OF CHOICE FEOWERS

49 West 29th Street, NEW YORK.

# White Violets a Specialty

Telephone 1675 38th Street

## PINEHURST VIOLET. 50.000 MARIE LOUISE RUNNERS

at \$4.00 per 1000, 60c per 100. Cash with order.

Want to exchange above also for young Ameri can Beauties, Wootton and Meteor Roses, as well as all the newer Carnations,

HILLSDALE FLORAL PARK, Hillsdale, Mich.

Hardlest form of the English Violet Flowers very large, since, ione-stemmed, very fragrant, brilliant shade. Blooms continuously all winter in the open or cold frame. Large, dark green foliage. Unsurpassed as all the year round ground cover Disease unknown. 10 for \$4, 1000 for \$30; cash with order. Ask for interesting spring price list of shrubs, herbaceous plants and seeds.

PINEHURST NURSERIES, Pinehurst, N. C.

# GRAND NEW VIOLET "LA FRANCE"

## STRONG VIGOROUS GROWER EXTRA FREE FLOWERING \*\*\*RICHEST COLOR

F the many new Violets introduced in the past few years this, the latest introduction of the foremost French specialist, is unquestionably the BEST. It has been thoroughly tested by Mr. Supiot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom and in size and coloring it is appropriate the superior of the past few weeks have been much admired. coloring, it is superior to all existing sorts, and will soon supersede them. Only a limited stock will be offered this season, and orders will be filled in strict rotation.

Price, \$1.25 per dozen; \$10.00 per 100.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.



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Look for flowers that never came? They'll come all right if you order of us-good stock, too-packed right—and the order complete. . . . .



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# WOOTTON CARNATIONS, common CARNATIONS, fancy HARRISH CALLAS VALLEY and ROMANS NARCISSUS VIOLETES DAFFODILS TV LIPS SMILAN ASPARAGUS ASPARAGUS ADIANTUMS FERNS DAFFODILS 50c to 65c per string FERNS \$2.00 per thousand

PRICE LIST TO TAKE EFFECT APRIL 6

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Only a few more thousand left of

THE GREAT

# Scarlet Wellesley

ORDER NOW.

Recognized as the best all-round Carnation of its color yet produced.

# Rooted Cuttings....

40.00 per hundred. 475 (9) per the marel

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# J. TAILBY & SON

WELLESLEY, MASS.

WILLIAM E. DOYLE, & FLORIST D

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I Consider it one of the Most Subsuble
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# A CORNER IN STOCK IS

# One Way to Make Money.



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NFW YORK.

**NEXT TO CORNER OF** SIXTH AVENUE....

Telephone 382 38th St.

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# A Handy Market.....

Where grower and consumer receive equal consideration & & The stock offered for Easter comprises the full list of desirable and seasonable Cut Flowers in grades and prices to fit all pocketbooks.

...COME AND SEE US...



We carry constantly a Large and Complete Stock of .....

# Clear Louisiana Cypress Lumber

And can fill all orders promptly.

JOHN C. MONINGER CO.

OFFICE AND FACTORY: 410 to 422 Hawthorne Avenue. Chicago.

# eraniums . .

Cash with

Order.

We have several thousand good bedding varieties, comprising all the principal colors, mostly double, rooted cuttings, mixed, at \$1.00 per 100.

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# Plants for Easter

Callas, Spirma, Dentzias, Hyacinths. Tulips, Pelargoniums, Geraniums, Palms, etc., For sale by

AUGUST DRESEL, 17 West Belmont Ave.,

Large plants, trans planted, field grown, in large variety of colors, in bud or bloom.

MIST (Babies' Breuth.) Blooms from July to October. Fine white, airy flowers, nice for bouquets. \$1.00 per doz., clumps \$4.00 to \$8.00 per 100, according to size. Phlox, Hardy Asters, Funkia, Myosotis, Veronica, etc., at lowest prices

W. C. JENNISON, Natick, Mass.

# EASTER SPECIALTIES

#### HARRISH LILIES

We shall have in a fine lot of Harrisii Lilies, grown cold, and large flowers. All orders of 100 or more will be sorted and packed at the greenhouse, and will not be repacked in the city.

#### ASPARAGUS

We are cutting fine long asparagus at 50c per string

#### SMILAN

We are the largest growers of smilax in the west, having five houses devoted to it, and we will be able to cut a large supply for our Easter trade.

#### BEAUTIES

Our Beauties are coming in fine shape, and we will have a large crop in for Easter.

#### TEA ROSES

Such as Brides, Maids, Woottons, Meteors, Perles and Sunsets, are looking especially fine, and there will be a large crop in for Easter.

#### CARNATIONS

Our carnations never looked better and we will have in a good supply for Easter.

#### ADIANTUM

We have been able to supply the demand for adiantum this winter, and shall be able to fill an increased demand for Easter.

#### SWEET PEAS

Our sweet peas are looking fine, and we are in hopes to have a good supply for Easter.

# TULIPS DAFFODILS MIGNONETTE FORGET-ME-NOT

VIOLETS LILY-OF-THE-VALLEY DUTCH HYACINTHS

All seasonable flowers at the lowest market price.
We can also supply you with THE KLEHM NOVELTY
TILIPS at their price.

# BUY YOUR FLOWERS DIRECT FROM THE GROWER

# A. G. PRINCE & CO.

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CUT FLOWERS AND SUPPLIES

88-90 WABASH AVENUE,

ELEVATOR, 15 WASHINGTON STREET TELEPHONE MAIN 3208 AGENT FOR
HINSDALE ROSE CO.

===CHICAGO===

RESIDENCE IPHONE DOWNERS GROVE 322

#### Our Easter Price List

Will be issued April 2d, if you do not receive one let us know at once.

# Wm. Hagemann

WHOLESALE IMPORTING BULBS

SOLE REPRESENTATIVE IN AMERICA OF

E. A. GRIMM & CO., Hamburg, "Lily of the Valley."

KRUYFF & CO., Sassenheim, Holland, "Dutch Bulbs."

CLARENCE PENNISTON, Bermuda, "Lilium Harrisii."

L. BREMOND FILS, Ollioules, "Roman Hyacinths, &c."

N. B. Case lots and upwards only supplied. We have no facilities for breaking packages.

No. 28 South Third St., = Philadelphia.

Established 1886.

All ready for the Easter Rush



The busiest establishment on busy 28th Street

# JOHN I. RAYNOR

OFFERS A FULL LINE OF

EASTER CUT FLOWERS.

ORDERS EXECUTED CAREFULLY AND SHIPPED ON TIME.



ORDER BOOK NOW OPEN! SPEAK UP.

# ROSES—ROSES—ROSES

In large or small quantities. American Beauty in all grades; Bridesmaid, Bride and Meteor.

# LILIES—LILIES—LILIES

Shipped, if desired, in original packages from the greenhouses.

# CARNATIONS

Standard varieties in prize winning quality.

# **TULIPS**

All colors. Lily-of-the-Valley, Daffodils, Mignonette and Violets.

# JOHN I. RAYNOR,

49 West 28th Street,

New York City.

# NO EASTER MATERIAL

gives more satisfactory results than good well-grown Carnations, carefully handled and properly packed.

I AM RECEIVING DAILY the finest stock of these in the New York Market, variety and quality unequaled.

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,,,,,,,,,,,,,,,,,, Also can supply to any limit, if ordered now, at lowest quotations for equal quality:

> American Beauty, Brunner, Bride, Bridesmaid, Cusin, Morgan, Violets, Lily of the Valley, Tulips, Daffodils, Mignonette, Asparagus and all other desirable EASTER SPECIALTIES

Asparagus Sprengerii and Fresh Cycas Leaves

JOHN YOUNG,

51 West 28th Street .....

NEW YORK CITY.

# Boston Flowers More Roses NEEDE

HIGH GRADE GROWN COOL

ROSES, CARNATIONS, DAFFODILS, VALLEY, LILIES in Pots and Cut Bloom

Hill, Libes cut and packed in special boxes of filly flowers at greenhouses. No rehandling. All Longiflorum, no Harrish. Will keep several days.

Special Brunners, Heath, Asparagus, Violets

....Orders Booked in Advance for Easter....

# GEORGE A. SUTHERLAND,

67 Bromfield Street....

BOSTON. MASS.

NOT ONLY FOR EASTER, BUT FOR EVERYDAY DEMANDS

ROSE GROWERS ARE REQUESTED TO COM-MUNICATE AT ONCE WITH

JULIUS LANG **集集基本基本基本基本基本基本基本基本基本基本基本** 

> CAMPBELL VIOLETS in a finch reported pots Splendid plants, well flowered A big stock for sale for EASTER

PRICES ON APPLICATION.

#### "What Shall the Harvest Be."

The recent action of the executive committee ought to interest every florist in the country. It will at least pay them to carefully study what the national society proposes to do to benefit the interests of its members. If florists were as apt to see what is beneficial to their own inter-ests as almost every other trade is there would be a stampede to join the ranks of the Society of American Florists. But the Society of American Fronsts. But viewed in the light of past history they will undoubtedly take at least five years to consider the matter. It has taken cleven years to convince the trade that hail insurance is a good thing, and even at this late date a good many florists are waiting for a convincing argument in the shape of an old-fashioned hail storm to make them thoroughly appreciate the benefits of mutual protection against hail.

The Florists' Mutual Fire Insurance Association is following in the footsteps of the Hail Association. Somethink they could have devised a plan that would have distanced the one adopted by the committee, while others think that an insurance association can commence business by simply trusting in the Lord to get the necessary cash to meet loses, while nearly all lose sight of the fact that equity is aimed at, and insurance at first cost will ultimately result. Like the Hail Association, the Mutual Fire Insurance Association will in the end be a grand success.

So will it be with the Society of American Florists and Ornamental Horticulturists. With a charter and a constantly increasing reserve fund the S. A. F. A. O. H. will cease to be "a rope of sand," and with the benefits devised by the executive committee a full treasury will undoubtedly be the outcome. The downward progress of the S. A. F. has been stopped. The past year shows a balance over all expenses of \$135. If the old members do their duty, and if the trade knows a good thing when it sees it, that sum ought to be quadrupled this year after paying for all its benefits.

But we have forgotten the kicker. What will he say? A week or two before the convention he will probably rise to remark that "bowling" is wicked, that "junketing" is a device of the evil one to catch the souls of wicked florists, and that the exhibition was a fraud. Meanwhile the florist who is not dead from his shoes to his shoulders will avail himself of the benefits which the S. A. F. will be in a position to confer, and the harvest of groaning, moaning grunters will eventually be gathered in by the sheriffs of their neighborhoods.

In these days of progress only live men can exist. JOHN G. ESLER.

> SOMETHING FOR NOTHING THAT WILL MAKE YOU DOLLARS

> > AN ESTIMATE FOR CUTS



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When corresponding with advertisers, mention the AMERICAN FLORIST.

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Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds. Indestructible, Cheap and Warm

WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

#### MADE IN FOLLOWING GRADES:

No 1-Burlap Cloth, filled with combination wool and quilted, seams 3 inches apart and edges firmly bound.

Size 40x76 inches, 50 cents each.

Made any length, 76 inches wide, at 12 cents per running foot. No. 2- Duck Cloth outside, filled and quilted

No. 2- Duck Cloth outside, filled and quilted same as No. 1.

Size 40x76 inches, \$0.75 each.

' 76x76 ' 1.00 ''

Made any length, 76 inches wide, at 16 cents

per runuing foot.

No 3—Waterproof, made of oil duck, filled and quilted same as Nos. 1 and 2.
Size 40v76 inches, \$1.00 each.
' 76v76' \$1.25 to \$1.50 each.
Made any length, 76 inches wide, at 20 cents per running foot. That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

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PATENT APPLIED FOR.

### QUILTED HORSE BLANKETS the Cheapest, Warmest and Strongest in the World ... WE ALSO MAKE

The R. T. Palmer Co.

Or New London, Conn.

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IS A CUARANTEE
OF SATISFACTORY
QUALITY....

Manz makes illustrations for this paper.

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Reasonable success seems to have followed the efforts of the management of the Nickel Plate Road to make it popular as a passenger line for travel East. It is regarded as a favorite by many in making the journey from Chicago to eastern explicit.

Patrons of that line will be gratified to learn that arrangements have been made, effective Sun-day, March 6th, for all passenger trains of the Nickel Plate Road to arrive at and depart from the Van Buren Street Station in Chicago.

Van Buren Street Station in Chicago.

The many advantages afforded by this Great
Union Depot, located in the heart of the lusiness
portion of Chicago, and the continued advantage
afforded by lower rates than over other lines, having three express trains daily, with through sleeping cars, to New York and Boston, and the advantage of superior Dining Car Service, when all considered, should show increased travel over the
Nickel Plate Road.—(8)

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IOHN G. ESLER. Sec'y, F. H. A., Saddle River, N. J.

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The Wahash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City. Through sleeping cars between New York and Boston and St. Louis and Chi-cago run every day.
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Do the American Florist a small favor. Mention the paper when writing to advertisers.

# THE SEED TRADE.

#### AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres., E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Coun., Sec'y and Treas.

VISITED CHICAGO.-Jos. Rolker, of Aug. Rolker & Sons, New York; Wm. Hagemann, Philadelphia.

BARTELEDES & Co., Denver, Colo., report business much better than it has been for two or three years, and attribute this to the high price of wheat, oats and other grains.

J. M. Thorburn & Co., New York, say that the early spring has had the natural effect of sending in seed orders earlier than usual, the demand being good, but prices continue low.

HENRY A. DREER, Philadelphia, reports a marked increase over last year's business, especially in the cash sales. The increase is general and in no special department, all branches feeling the improve-

NEW YORK.—Retailcounter trade begins to boom. A line of clerks behind the eounter and a double line of customers in front is what a visit to the various seed stores discloses. It is said now that prices on French bulbs are liable to advance. Mr. Littlejohn, of Rush Park Seed Co., Independence, Ia., is in town.

THE height of the season in the mail trade business was evidently reached this year rather earlier than usual owing to the advanced season. Monday, March 14 probably showed the highest number of mail orders, as well as total cash received, with most firms in the trade. While business remains good generally throughout the country, it has fallen away materially since that date.

W. Atlee Burree & Co., Philadelphia, Pa., say that a conservative estimate of the seed trade up to date this year compared with last would show a gain of about 20% in money value of sales, while the bulks used would represent considerably more than this owing to the continued downward tendency in prices. It is certainly to be deplored, when so many items are short this year (notably sweet corn, Netted Gem musk melon, Fordhook Early watermelon and Red Globe onion) that the goods should have been sold so much below what is their present market value. In fact the demand for all onion seed has been so very much heavier (fully 50%) than in either of the preceding two years that the prices both wholesale and retail could readily have been advanced 10% to 50% from the printed list figures. It is a fact that we, in common with ther houses, have contracted for onion seed crop of 1505 at higher bigures than to have sold seed this season and very such higher than the seed cost us on the rop of 1897. I rom all reports the visible supply of omen seed of new crop will be a ordly sufficient for the average demand ad as this will incessitate considerable dyance in both wholesale and retail rice for 1800 we book for a general stiffening of prices in other lines

# CLARK BROTHERS

# Paper Seed Bags

61 Ann Street, New York.



RAFFIA BEST QUALITY, LONG MADAGASCAR Having purchased on a very tavorable stock quickly, make the following special low quotations for prompt orders. In bale lots (about 2254bs.) at Sc

Crafting Wax
Trowbridge's Celebrated Grafting Wax
Trowbridge's Celebrated Grafting Wax, the genuine article, 1 lb. bars at 19c; ½ lb. bars at 20c; ¼ lb. bars at 21c per pound. Rebates: 10 lb. lots, 5 per cent; 25 lb. lots, 10 per cent; 50 lb. lots, 15 per cent; 100 lb. lots, 20 per cent.

# G. C. WATSON,

Juniper, below Walnut, - PHILADELPHIA.



H. H. BERGER & CO., 22J Broadway, NEW YORK.

ESTABLISHED 1878.
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Horticultural Imports and Exports from Europe.
China, Japan, Australia, Mexico etc

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We beg to inform our customers that we have removed to

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Write for quotations on

JAPANESE BULBS, PLANTS AND SEEDS for full delivery.

SUZUKI & IIDA.

No. II BROADWAY, NEW YORK.

No. 3 Nakamura, YOKOHAMA, JAPAN.



# TRY DREER'S GARDEN SEEDS.

Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa

Mention American Floriat

# SEEDS LAWN GRASS \$12.00 per 100 lbs.

J. CHAS. McCULLOUGH, SEEDSMAN, RECLEANER AND JOHDER GRAHB BEEDS Second & Walnut Sts., Cincinnati, O.

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Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk.

SPECIAL PRICES TO THE TRADE.

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BEST OF ALL" TOMATO "ENGLISH" MELONS

FLOWER SEEDS FOR FLORISTS

Catalogues on application.
WEEBER & DON, Seed Merchants and Growers.
114 Chambers St., NEW YORK, N. Y.

August Rölker & Sons, Spring Bulbs. Spring Bulbs, Florists' Supplies, **SE** 

IMPORT ORDERS booked now for forcing Burbs, Azalens, Lily of the Valley, etc., for fall delivery; send for terms to

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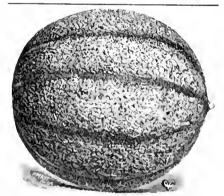
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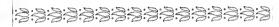
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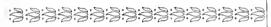
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Special — LONGIFLORUM LILIES, AMERICAN BEAUTIES, VIOLETS.



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| 3 | plants, | 4-in.  | pot, | 12 to | 15-in. | higl | h, per | 100   | 1   | 20 00        |
|---|---------|--------|------|-------|--------|------|--------|-------|-----|--------------|
| 3 | 4.6     | 5-in.  | 6.6  | 15 to | 18-in. | 44   |        | "     | ••• | 40.00        |
| 3 | **      | 6-in.  | **   | 24 to | 32-in. | * *  | very   | bus'y | ea. | 1.00         |
| 3 | 44      | 8-in.  | 44   | 36 to | 42 in. |      | 41     | **    | **  | 2.00         |
| 3 | **      | 8-in.  | **   | 42 to | 48-in  | 44   | **     | **    | "   | <b>2</b> 50  |
| 1 | "       | 10-in. | **   | 4 to  | 5- ft. | "    | 16     | **    | **  | 5 <b>c</b> o |

### Latania Borbonica

| 2½-in. | pot, | 3 | to   | 4 | leaves, | per | 1  | 00,        | <b>\$</b> 4; | per  | 1000 | 35.00 |
|--------|------|---|------|---|---------|-----|----|------------|--------------|------|------|-------|
| 3-in.  | 61   | 4 | to.  | 5 | **      | "   |    |            | 8;           | 66   | 4.6  | 70 00 |
| 4-in.  | 44   | 4 | to   | 5 | 44      | "   |    | "          | 20           | .00  |      |       |
| 6-in.  | **   | 5 | to ( | 6 | 44      | 18  | to | <b>2</b> 0 | in.          | high | and  |       |
|        | wide |   |      |   | •••••   |     |    |            |              |      |      | .75   |

### Cocos Weddeliana

1 plant, 5-in, pot, 24 inches high, each.....

### Kentia Belmoreana

| 2½-in. pot, 3 leaves, 8 to | o 10-in.         | high, | per | 100 | 14.00         |
|----------------------------|------------------|-------|-----|-----|---------------|
| 3-in pot, 4 to 5 " 10 to   | o 12-in.         | **    | **  | "   | <b>2</b> 0.00 |
| 5-in. pot, 5 to 6 " 18 to  | o <b>2</b> 0-in. | **    | eac | h   | 1.00          |

### Kentia Forsteriana

5-in. pot, 4 to 5 leaves, 24 to 30 in. high, each, 1.00 6 in. pot, 4 to 5 leaves, 30 to 36-in. high, each, 1.25

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The most serviceable and popular Decorative Plant extant. Has supplanted Adiantum for cut flower

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|                                                 |        |        | No. of  | Prl     | ce     |
|-------------------------------------------------|--------|--------|---------|---------|--------|
| _                                               |        | bigh   | leaves  | each    | 100    |
| Areca Lutescens                                 | 2      | 6-8    | 2-3     | \$0 10  | \$6.00 |
| ** **                                           | 3      | 12-15  | 3-4     | . 12    | 10 00  |
| " Rubra                                         | 3      | 10-12  | 3-4     | . 15    | 14 00  |
| Corvpha Austraiis                               | 3      | 6-8    | 3-4     | . 12    | 10.00  |
| ř                                               | 4      | 12-15  | 4-5     | . 25    | 22.00  |
|                                                 | 10     | 42-40  | 9-10    | 2.25    |        |
| Chamærops Exceisa                               | 3      | 6-8    |         | .12     | 10.00  |
| Latania Borbonica.                              |        |        |         |         | 20,000 |
| \$35 00 per 1000                                |        | 6 S-10 | 2-3     | .05     | 4.00   |
| Latania Borbonica.                              | ,      |        |         | 100     | 1100   |
| \$85.00 per 1000                                |        | 10-12  | 3-4     | .12     | 10.00  |
| Phœnix Canariensis.                             | 1      | 15-18  |         | .22     | 20.00  |
|                                                 | 5      | 20.24  |         | .40     | 38.00  |
| " Reclinata                                     | 8      | 36-40  |         | 1.75    | 00.00  |
| 11 It C 11 III II | 10     | 42-50  |         | 2.75    |        |
| " Tenuis                                        | 10     | 15-18  |         | .25     | 22.00  |
| "                                               |        | 36-40  |         | .90     | 42.00  |
| " Syivestris                                    |        |        |         | 1.50    |        |
|                                                 |        | 40 45  |         | 2.25    |        |
| Rhapis Flabelliform                             | 10 8   | 40 40  | 0.1     | 4.40    |        |
| 2 to 3 branches.                                | 10,    | 19-15  | 10-12   | 1.50    |        |
|                                                 |        |        | 12 15   | 2.00    |        |
|                                                 | ti     |        | 20-24   | 4 00    |        |
|                                                 | 8      |        |         |         |        |
| Send for list of oth                            | ier va | riette | a wug 1 | orices. |        |

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Stiff, wiry stems. Are all the rage.

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#### THE NURSERY TRADE.

AMERICAN ASSOCIATION OF NURSERYMEN. IRVING ROUSE, Pres.: E. ALBERTSON Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y and Treas.

JACOB W. MANNING, READING, MASS., reports that comparison of this year's orders with last year's, at the same time, is decidedly in favor of increased business for 1898

Shady IIILL NURSERY Co., Boston, Mass.: The nursery trade in New England, as we know it, is about the same in volume as last season, neither more nor less. Prices, however, have no standing. The nurserymen are somewhat at fault as to low prices. If they maintained a firmer front against the ent in rates they would be able to sustain a better range

Hoopes Bro. & Thomas, West Ches-TER, Pa.: The season this year is so much earlier than usual, it is difficult to make any comparison with last or former years. We would say, however, that the orders are probably 10% or 15% ahead, and should the season continue favorable, we have but little doubt that there will be an increase in the amount handled, but unfortunately, the prices are so low that there will be very little increase in the bank account.

Thomas Meehan & Sons, Germantown, Philadelphia, Pa., report that the mild spell of weather which prevailed during almost the whole month of March has advanced the shipping season at least two weeks. Taking this into con-sideration and the fact that it seems to be equally as advanced all over the country, they find that their orders are about as usual or perhaps a little heavier than has been the case for the last year.

James B. Wild & Bros , Sarcoxie, Mo.: Will say that we can note but little change as compared with the past four years, and last year was certainly a hard one in the nursery trade—low prices and everyone wanting to unload. A curtailing of propagation has been going on for the past five years, and this with the assistance of nature to grow the stock to a size not marketable has reduced the surplus to a point where there can now be no stock to offer. This has led to inquiry from all points for the small wants, and many nurserymen are led to believe that there is a revival of better times. The facts are, however, a reduction of propagation, and the now overgrown stock has made a shortage, and the calls for needs have gone from one nursery to another, who in turn could not supply

nead for these their place and process to for the trade

SAMUEL C. MOON, Bucks Co., PA.

### CLEMATIS

H P Book Tro Reconsists of the Reconsists of the Reconsist of the Reconsists of the

Branch of

the Horticultural Co.
Boskoop, Holland. Rutherford, N. J.

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Leaders for this season. 300,000 transplanted Hemlocks Over 1,000,000 of the beautiful Rocky Mountain Evergreens. 200,000 Red Cedar from northern seed and millions of the old standard sorts, such as Spruces, Pines, Balsams and Arbor Vitæs. My trade list costs you nothing but a postal card.

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The 12 acres of hardy perennials formerly belonging to the U.S. Nurseries must be sold at once, land to be devoted for building nurn

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| All extra large clumps Per 100, F. O. B., Short Hills.                                                                |
| Ajuga rejums \$151                                                                                                    |
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| Hellanthus hybridus                                                                                                   |
| Helenlum automnale                                                                                                    |
| Hemerocaths Dumoriferl 1 50                                                                                           |
| Hemerocalils Kwanso ff. pl 4 50                                                                                       |
| Irls cristata                                                                                                         |
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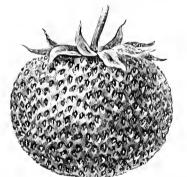
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| 214- | Inc) | ì     |      | 000  |       | 8   | bou  | t 20  | Ibs  |     | 9     | 0.25  | \$2 20   |
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for 2½-in. 2½-in. 3-in. 3½-in. 4-in. 5-in. 6-in. puts. F. W. BIRD & SON, Manufacturers. Address all orders to our General Agents,

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in a few days to inspect and secure every valuable idea and product of the great markets of the world, which knowledge added to our great manufacturing facilities in Philadelphia and aided by the genius of the up-to-date American, easily keeps us in the forefront, and is our contribution to American Supremacy before the world.

### A GOOD LICKING

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50-52-54-56 No. to a postage stamp is all it will cost you to secure a copy of our Illustrated Catalogue. Write to-day. We have goods to sell that will help your business and give you a reputation with the people who buy. Every requisite for stocking up a first class florists' store is in our warehouses in quantity. This announcement will have done its duty if its readers will write us fully of their wants. Our catalogue will do the rest and make them our customers. FIRE AWAY.

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EVERYTHING THE BEST in all that is DESIRABLE for the Easter trade.

Lilium Harrisii, \$12 per hundred---plants or cut flowers.

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A magnificent stock. All grades of Tea Roses.

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In any quantity. Our stock of this popular flower is unexcelled.

Our shipping facilities are the best in this country and our system of packing insures safe delivery.

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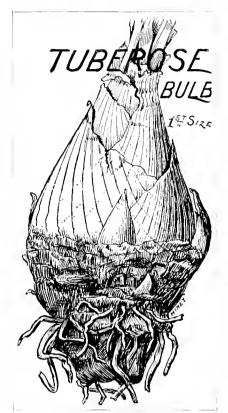
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| Italia 4.00               | 35,00   | Wm, Elliott 1.50          | 12.00   |
| J. D. Cabos 3.00          |         | Mixed, Tall or Dwarf 1.25 | 10.00   |



#### TUBEROSES..... LXCELSIOR DWARF PEARL

Southern Grown, of extra quality and average size shown by the cut—many are larger. 75c per 100; \$6.00 per 1000.

#### CALADIUM ESCULENTUM.....

Home Grown, solid, sound with good centres, 7 to 9 in., \$4.00 per 100; \$35.00 per 1000. 5 to 7 in., \$2.50 per 100; \$20.00 per 1000.

### The | ovett ('ompany

LITTLE SILVER, N. J.

## We Are Selling Lots of Stuff People Like to Buy of Us.....

"Because Mary Loves the Lamb, You Know."

They **certainty** are the finest in the land. Rooted Cuttings, 75c per 100; \$ 6 per 1000 Pot Plants.....\$2.50 per 100; 20 per 1000

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Fine assortment. Sec Trade List.

#### **FARFUGIUMS**

\$10.00 per 100.

#### **FUCHSIAS**

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Finest Sorts grown. Rooted Cuttings... \$1 per 100; \$6 per 1000 Pot Plants, \$3 per 100; 200 for \$5; \$20 per 1000.

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Altho' we have sold thousands we still offer Victor and Freddie Heinl, \$6 per 100 Mixed . . . . . \$3 per 100

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#### **OLEANDERS**

#### VIOLETS....

Marie Louise, California . . . . . \$3 per 100

### 

Roses

#### Chrysanthemums

Finest Sorts in cultivation. \$3.00 and \$5.00 per 100. See Trade List.

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Finest Sorts......\$3.00 per 100

Two Sorts, 2-in., \$3 per 100; 3 in. \$10 per 100; 4-in., \$15 per 100.

W. L. SMITH, Aurora, Illinois.

And stacks of other stuff—Send for our Trade List if you haven't it. Keep watch of our ads. We are sure to interest you sooner or later.

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Not "Any Old Thing," but OUR LABELS?

Our customers say that they are unexcelled. Send for samples and prices...x.

Benjamin Chase, Derry, N. H.

Quick for eash, mailing size ROSES, Margaret Dickson, Mrs. J., S. Crawford, John Hopper and Capt, Christie; Primula obeonica, Daphne odor ata, mixed Gloxinia, Oleo fragrams.

O. A. DAVIS & SON, Purcellville, Va.

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Paving U. S. Custom Duties on honest invoice valuations,

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\$3.75 \$35,00 5,00 45.00 L. RUBRUM (Speciosum) Per 100 Per 1000 LILIUM ALBUM (Speciosum) Per 100 Per 1000 7-5 (see b) 9-11 (neb) 7.50 05 00

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True Excelsior Pearl. "Hallock strain" First size, per 100, §1.00; per 1000, \$7.50.

**GLOXINIAS**Per doz., 85e; per 100, \$5.00

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Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00

Caladium Esculentum

#### GLADIOLUS XXX Florists Mixture







#### GREENHOUSE STOCK.

Asparagus Sprengerii, strong, young plants, per

Asparagus 500, \$5.00.

Ficus Elastica, true, large leaf variety, 6 inch pots, 20 inches high ω 50c each.

Crimson Rambler Roses, extra line, bushy plants, in 4-tuch pots, will soon bloom, per dozen, \$2.00 per 100, \$45.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb, ω 15c per lb.

Clothide Soupert, the great pot rose, our stock is A No. 1, 2-in, ω \$3.00, 20-in, ω \$4.00; 3-in, ω \$6.00, 30-in, ω \$6.00, 30-in, ω \$5.00.

Dahlias, 20-in, ω \$9.00 per 100.

Dahlias, 20-in, pot plants, in named varieties, per 100, \$5.00.

100, \$5.00

Pelargoniums Mme, Thibaut, Mrs. Robt, Sandiford, Edward Perkins and Dorothy strong 3-inch stock, per doz., \$1.50; per 100, \$12.00.

For Cannas, Carnations, Chrysanthemums, send us your list, we have all kinds.

H. P. Roses, dornant, 2 year, extra flue stock (a \$12.00 per 100.

Clematis, Ampelopsis Veitchi, Hollyhocks, Paonies, Hydrangeas P. G., etc. we have in large quantities; write us for prices.

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### April Offer.

Alternanthera A. Nana, \$1.75; P. Major.....\$2.00 Coleus Asst. and Centaurea Gymnocarpa.... 2.00 Geragiums, 16 Var., 21/2-io. pots, \$2.50; 3-in.. 3.75 Geraniums, 4-in. pots and Marguerites (Paris Daisy)..... 5.00

Pansy plants from cold frames and Smilax.... 1.00 CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware. Ohio.

### "MARS,"

2 and 3-in. pots. \$1 per dozen, \$5 and \$8 per 100, \$45 per 1000.

LYCHNIS FL. PL. ROSEA, 2-inch pots, fine, 50e per dozen, \$2 per 100.

CLITIBING WOOTTON ROSE, 2½-inch pots, fine, 75e per dozen, \$3 per 100.

BURBANK, ITALIA, AUSTRIA CANNAS, 4-inch pots, started, \$1 per dozen, \$5 per 100.

....HENRY EICHHOLZ, Florist, WAYNESBORO, PA.

Best named, 2½-io., \$25.00 per 1000.

250 Vinca Variegata, field-grown, now in 4-inch 

GEO. W. GASKILL, WARREN, OHIO.

GERANIUNS. Grand Sun-proof Bedders and other new and faney, 50 var, \$10 per 1000.

COLEUS. C. Verschaffeltii and G. Bedder \$6 per 1000; 30 superb faney leaved, \$5 per 1000.

ALTERNANTHERA. P.M.A. Naon and Amena, fine little plants, \$5 per 1000.

PANSIES. Extra fine Giant and Bugnot in bud, \$6 per 1000; small. \$3 per 1000.

SAGE. Grandiflora and Bonfire, \$5 per 1000. Same rate per 100, by express; by mail add 30c per 100.

per 100.

Begonias, Petunias, Verbenas, etc. Send for my

### DANIEL K. HERR, Lancaster, Pa.

#### Rooted Cuttings Well Rooted ...

Scarlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alhambra, Golden Crown, Midnight, Salvator, John Goode, Nigger, 15c per doz.; 75c per 100; \$5 per 1000; express paid.

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#### The Cottage Gardens - QUEENS. L.I. Specialties in CARNATIONS. CHRYSANTHEMUMS. CHOORS, GERADIUMS, DAHLIAS. SEND FOR OUR PRICE LIST ~=.=.=.=.<del>=</del>.

PANSIES
THE JENNINGS STRAIN.
THEY ARE GRAND.
Fine stocky plants in bud
and hloom, \$10 and \$15 per
100 by express; small plants,
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Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings. 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

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The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass. Strong rooted cuttings, 60e per hundred; \$5.00 per thousand; five thousand, \$20.00. New Yellow Marguerite finest variety, strong 2-iu. pot plants, 3c; rooted cuttings, 2c.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, III.

### Marie Louise..

Fine extra healthy Rooted Runners, ready for planting time 1st of June.

ORDERS BOOKED NOW. \$15.00 PER 1000.

F. G. Mense, Florist, Glen Cove, L. I., N.Y.

Fine selected stock in separate colors. Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

#### AZALEA INDICA

We have an immense stock of all the best varieties; well set with buds; large plants, 12 to 15-inch, \$6.00 per doz.; \$45 per 100.

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We grow over a million from the choicest seed of Bugnot, Cassier, Odier and Tri-mardeau; transplanted io cold frames; 60c per 100; \$4.00 per 1000.

#### HARRISII LILIES

In bud, guaranteed right for Easter; 10e per bud.

#### **CINERARIAS**

In bud and bloom, \$1.00 per doz.

| ROOTED CUTTINGS 100                 | 1000   |
|-------------------------------------|--------|
| Mammoth Verbenas \$ .70             | \$5.50 |
| Double Petunia 1.00<br>  Heliotrope |        |
| Ageratum                            |        |

Double Golden Dwarf Marguerite, \$1.00 per 100.

#### PLANTS 214-inch.

### WHITTON & SONS.

Wholesale Florists,

#### ÚTICA, N. Y. City and Creen Sts..

### FAXON'S "WHITE .. PANSIES.

The hest mixture in cultivation, flowers very arge, thick and velvety; of superb colors and arkings. The perfection of form and texture. large, this

In Trade Packets at \$1.00 each. M. B. FAXON,

Lock Box 1528. BOSTON, MASS. Correspondence solicited.

IN BEST VARIETIES. ROSES, from 3-inch pots.

CARNATIONS, for fall delivery CHRYSANTHEMUMS. SMILAX.

VIOLETS. Prices low. Send for list.

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### CLEMATIS Jackmanoi, Heoryii doz. 100 and others......\$3.00 \$20.00

H. P. ROSES Strong 2 and 3 years own roots ... \$1.50 \$10.00 RED JACKET GOOSEBERRY, only large native red. ... ... 75 \$4.00 BOWNING, best for general crop, special

PAEO'IES, fine ass't of colors and kinds \$1.25 \$8.00 SMILAX, extra strong plants...... \$2.50

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COLEUS—All kinds, all grades and all prices.
Verschaffeitl and Queen, 75c per 100: \$8 00 per 1000;
2½-10ch pots, \$15 00 per 1000; \$1.75 per 100 Coleus in variety, 55c per 100: \$4 50 per 1000; \$2.45-inch pot \$12 00 per 1000; \$1.35 per 100. Akerstum dwarf blue 60c per 1000; \$3.00 per 1000. Puchslas, standard sorts, \$12 00 per 1000; \$1.30 per 100. Double Petuolas, extra fine strsio for flats. \$1.50 per 100; \$12 00 per 1000. \$10 che per 100. \$10 che per 100 c

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### THE 1898 INTRODUCTIONS

THE 1897 INTRODUCTIONS DAYBREAK of special quality.

ROOTED COLEUS in variety.

Cood stock only. Price list free.

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#### 5,000 SMILAX...

From flats, by mall. 50c ner 100, \$1.00 per 1000 From 2-inch pots, \$2.25 per 100, \$13.00 per 1000 Geraniums from 2-inch pots, \$2.25 per 100; \$20.00 per 1000. Cash with the order. Send for samples. Fred Boerner, CAPE MAY CITY, N.J.

### Marie Louise Violet Runners

Good plants, healthy stock, \$5.00 per 1000.

A. WASHBURN & SON BLOOMINGTON, ILL.

### LETTUCE AND OTHER ... VEGETABLE PLANTS

LETTUCE-Big Boston, Boston Market, Teonis Ball, Grand Rapids and Reichber's Forcing, 15 cts. per 100; \$1.00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting oow ready. 15cts. per 100; \$1 00 per 1000. Pepper and Egg Plants—25 cts per 100; \$2.00 per 1000.

CAULIFLOWER, Soowball—35 cts per 100; \$2.50 per 100; \$1.50 per 100; \$1.50 per 100 for small plants, and 50 cts, per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Mention American Florist,

#### Kaiserin for Summer Blooming.

As a summer blooming white rose, both indoors and out, the Kaiserin is without question queen of whites. To obtain best results with this peerless variety, good strong plants should be obtained at once from 3 or 4-inch pots and planted as early in April as possible.

They do best planted in a well drained solid bed in a well ventilated house. I find the Kaiserin does better in a very rich soil, in fact it has been my experience that it will stand more manure than any other rose that I have grown, therefore, tit is important to prepare a good rich soil for planting. I have had good success with plants grown in the following compost: Three-fourths good heavy yellow loam and one-fourth well rotted cow manure. Great care should be taken to have it thoroughly mixed. Plant them firm as you would roses for winter blooming, syringe every morning during April and twice a day from May 1. Through the summer, never allow the plants to become dry while they are growing freely. It is important to pinch the buds off until the plants have made a strong growth; do not be afraid to give them lots of air on all favorable occasions. Plants treated in this way should bloom continually from July 1. from July 1, through the summer.

Many people allow this rose to remain dormant from November 15 until the spring, but 1 have never allowed my plants to rest and I always get as many good blooms from them through the win ter as from same space of Brides. I believe the whole secret is in feeding them liberally during the summer and never allowing the temperature to drop below 60° at night during the winter. If they are run at a temperature of 54 to 56°, as is usual with Brides, etc., very little growth will be made, and many buds will come soft and imperfect. W. W. Coles.

| Per 100                                                               |
|-----------------------------------------------------------------------|
| Pansy Plants, trans.   1.1.   \$1.50                                  |
| M. L. & L. H. C. Violet plants                                        |
| Mad. Salleror plants                                                  |
| Champion and Stone Tomato Plants25 =                                  |
| Each                                                                  |
| Kenthworth Ivv, 212 mehes 40 [2]                                      |
| Kenthworth Ivy, 202 mehes.                                            |
| Correntum Lyy, 20g melies 1 1 1 1 1 1 1 1 1 3c 2 2 1                  |
| Heliotrope, puride, 25, inches.                                       |
| Fuclistic Spee, 21 <sub>2</sub> inches                                |
| La Favorite Geranium, 21 <sub>2</sub> inches 4c                       |
| <ul> <li>Potted Plants are all ready to shift. No express.</li> </ul> |
| order less than \$2.00 filled.                                        |
| E 1 BORINGON O-1 B-11 III                                             |

### BARGAINS

Extra line robust plants, 2½-meh pots, of the dlowing at §§50 per 100. No liner plants offered. HELIOTROPES, large-flowering purple and white, FUCHSIAS, Storm king and four line vars. ABUILONS red veltow and Sonv. de Ronne. CUPHEA PLAIVCENTRA, Cigar flower. PETUN-83, double fringed choice seedlings. GERANIUMS, double Grant and lineas sortment. Latras added to cover expressing on all orders of §§50 or over Adams and L. S. Lapress. Cash athorder or one-half each and balance C. O. D.

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## BEGONIAS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100   | 2 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|
| Argentea Guttata, Pres. Carnot, Actallic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ca,   |   |
| Thurstonli, 2 the pot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 32.50 | ı |
| Moonvine (I. Soctipheton), J. 7 m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9.50  | ł |
| Rose Geranium, P., in Strong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.54  | i |
| Tra. Taylor Geranium, 24 in strong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.50  | þ |
| Double Petunia, fireer strain, frong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7.9   | ı |
| Russella Juncea, 1., in strong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3.0   | ž |
| Ampelopsis Veitchii, 1 , 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.74  | P |
| PALT, Letania Berbonica, 20, in 3 to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1     |   |
| to the transmitted that the transmitted that the transmitted that the transmitted transmitted that the transmitted transmitted that the transmitted tr | 1.74  | J |
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## , HRYSANTHEMUMS

<u> Վաստանանական արանանան անանան անձան անձանան անձան /u>

We have all the New Varieties and all the Old Ones of Value. \* \* \* \*

Good Stock Packed Right at Down to Date Prices

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NATHAN SMITH & SON, - Adrian, Mich.

### "Boss" Chrysanthemums.

William H. Chadwick The grandest white novelty of the season. The Yellow Fellow-Winner of \$100.00 Stearns bicyc'e prize. Madeline Pratt—"As pretty as her picture." Distributed March 1st by leading firms and the grower.

### Special Premiums offered for Rawson's 'Mums

President Chadwick, Chicago Horticultural Society, offers \$50.00 in prizes for Chrysanthemum Wm. H. Chadwick, at the Chicago Floral Show next November. E.C. Stearns & Co., of Syracuse, N. Y., offer a 38 pattern high grade hicycle for best vase of 12 blooms "Yellow Fellow," at the fall exhibition Central N. Y. Horticultural Society, Open to all, except myself.

GROVE P. RAWSON, 107-100 W. Market St., Elmira N. Y.

### TWO STERLING CHRYSANTHEMUMS...

### Mrs. C. H. Peirce Merry Christmas

Which every florist must have among his collection for commercial and show purposes, They are worthy of the highest praise, and we do not besitate to recommend them to every florist. Order now. We will have a large stock ready April 1st, and can fill all orders with satisfactory plants

Mrs. C. H. Peirce A large yellow flower of good round form and best substance. Reautiful foliage, sturfy short jointed growth, with foliage up to the flower. An excellent commercial variety. Take first bad. Reight 30-40. At its best Nov. 6th to 25th.

Merry Christmas: The latest) hrysanthemous in cultivation, making it the only Chrysanthemous that can be grown successfully for Christmus flowers; needs no extra care; height P<sub>2</sub> ft. Good still stem large flowers and great substance, of purest white, and full to center. Take terminal bud, A) its best Dec. 20 to Jan. 1st.

35c each. \$3.50 per doz. \$25.00 per 100.

THOS. A. MCBETH, Springlield, O. F. DORNER & SONS CO., La Fayette, Ind.

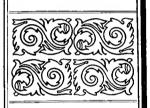
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NURSERY AND SEED CATALOGUES

Monmouth Coun Society. County Horticultural The

A grand sociable was given by the Monmonth County Horticultural Society at the Red Men's Hall, Oceanic, New Jersey, on Wednesday, March 23. The hall was very nicely decorated and about fifty couples participated in the grand march.

Mr. W. Kennedy sang a song of his own composition which was very well received. The society's paper, "The Mon-month County Busy Body," was read by N. Butterbach and contained, as usual, the latest news. Mr. II. A. Kettel and Mr. Geo. Stanton sang several songs. One of the most prominent features of the evening was a cake walk. Mr. Hugh Birch and Miss Sarah Winton took the eake for the most comical, and Mr. Richard Rogers and Mrs. Theodore Togg for the most graceful performance. It was the best entertainment ever given by the society. Refreshments were served at intervals and at 12 o'clock. Everybody was home before daylight, and on parting they all expressed their thanks to the committee, which consisted of Messrs. John Downing, Hugh Birch and Thos McIntosh, also to the competent floor manager, Mr. Robt. Beatty. N. BUTTERBACH.

#### Hail Notes.

Henry Schwarz, of Price's Hill, Cincinnati, was struck by a hail storm on the 16th inst. B. Heshon, of Lawrence, Kan., and the Junction City Floral Co., of Junetion City, Kas., also met with slight losses recently by hail.

In order to compile correct statistics the secretary of the F. H. A. desired information concerning hail storms. Every florist is invited to drop him a line when a storm occurs. Address John G. Esler, Saddle River, N. J.

Armstrong's

Everblooming

Tuberose & &

Anish departure in Tuberose growth.

Flower bearing buds continue to form around the old flower steek indefinitely.

Flowers greatly superior to those of all other single Tuberoses. Awarded certificate of Merit by the S.A. F. at Providence last August, and the Shaw fold Medial at St. Louis in November.

For Prices and Particulars
...Address...

LUTHER ARMSTRONG.

3720 Olive St., St. LOUIS MO.

### **GLADIOLUS BULBS**

WHY not grow your own. I can furnish it large number of half fuels bulbs, mixed colors very fine stock at \$1.50 per 1900. Lach thousand will conflict your result with each thousand will conflict your results with the stock runs so argely to white and pair that some foreits said it would also a pass for. White and Light.

#### M. CRAWFORD, Cuyahoga Falls, O.

| CLADIOLUS BULBS.                |            | 100      |         |
|---------------------------------|------------|----------|---------|
| Vers Die Laive.                 | No. 5      | 111 75   | 45.00   |
| Cornell true (1)                |            | Ho.      | E50     |
| Langue Hay boarder              | -          | 1.25     | 10.00   |
| lance. Buchanan                 |            | 100      | 7.70    |
| Brine B. nete                   | J          | 1.25     | 10.00   |
| Mary Lemons Orch a mari         | +41: 1     | 2.1      | 25 1341 |
| Marie Leme on after first north | odi - 5    | 170      | 1.00    |
| White and Light                 |            | 1.00     | 7,50    |
| A sale with order. He fore to   | 1 13 60    | Don A    | 6.11    |
| JOHN FAY KENNELL Grower b       | o c 405. F | locheste | r,N.Y   |

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### Kraft's Plant Tonic

For PLANTS, PALMS and FLOWERS

... A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale..

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soft and pliable, and a beautiful bright green.

Price per bottle, 25 cents. For sale at

84 & 86 RANDOLPH STREET, CHICAGO, VAUGHAN'S SEED STORE. 14 BARCLAY STREET, NEW YORK.

### COLUMBIA PLANT TUBS....



MADE OF CYPRESS. **NEVER** 

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BOTTOM PRICES.

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Gardeners and Florists.

SOLUBLE, QUICK TO ACT. PLEASANT TO HANDLE. STANDARD FERTILIZER CO. Inc.

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INDISPENSABLE

J. A. Scollay, Maker, 11 Myrtle Ave Brooklyne Ne Ye



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Everyhody is more pleased if you say "saw your ad in the American Florist" when writing.



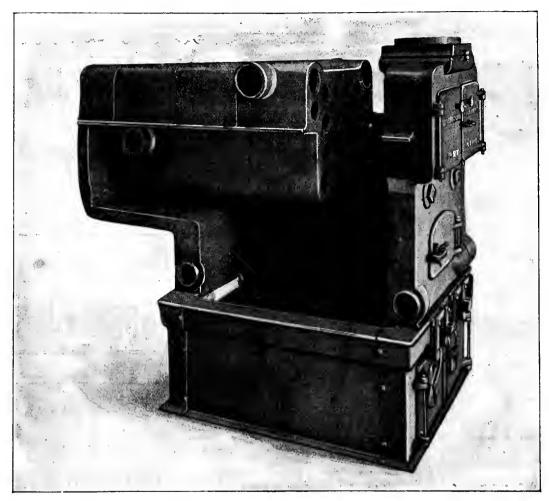




### HITCHINGS & Co.

Established

## Greenhouse Builders



and largest mannfacturers

Greenhouse Heating and Ventilating **Apparatus** 







The accompanying cut represents the interior of our new

> No. 57 Sectional Tubular Boiler

regarding which we have received the following letters:

D. Falconer, Rose Grower, of Chatham, N. J., writes us as follows:

I am pleased to inform you that the No. 57 Boiler you sold me last Fall has proved satisfactory in every respect. All that you have claimed for it I have found correct.

I have heated two Rose Houses with it, each 18'6" wide and 160' long, total amount of glass surface 8,000 square feet. I didn't have to push it much when the temperature was 8 and 42 degrees below zero to have my houses 56 degrees. I consider it economical in fuel, easily cleaned and very easy to fire. If I am fortunate in the future to extend my plant, I shall select the same heater.

Your ventilating apparatus is also to my entire Respectfully yours.

(Signed) D. FALCONER.

I. P. Dickenson, Lettuce Grower, of Morganville, N. J., writes:

In answer to your inquiry as to how I like your New Sectional Boiler, would say that it gives good satisfaction, throws out heat freely, is easy to regulate, and requires very little labor and attention. I have two other sectional boilers, which it is claimed will beat nearly twice as much as yours, but I think yours, the No. 57, will bent them both, and with only one half the amount of coal. The No. 57 is a hummer.

Yours truly,

(Signed) I. P. Dickenson.

Louis Dupuy, Florist, of Whitestone, L. L.

It affords me great pleasure to tell you that your new sectional Boiler you supplied me last summer, is a boiler far superior to any I have so far seen in use. It has not been in any way over-estimated, as it does easily all you claim for it. Every man I have had attending to the fires was quick in praising your No. 57 in comparison Respectfully yours. with the other boilers. (Signed) L. DUPUY.

Auton Schultheis, Florist, of College Point, L. 1. writes:

The Sectional Tubular Boiler I received of you last October for my new house, 150x25, with high glass sides, has proved to be all you claim for it. It is economical, easy to regulate, and can be heated to boiling inside of thirty minutes if neccessary. I can recommend your tubular boilers where large houses are to be heated. They will

Respectfully yours. (Signed) A. Schultbers,

We give special attention to supplying Iron Frames, and Roof Wood Work, fitted ready for erection by Florist, with the aid of a local carpenter.

### HITCHINGS & CO.,

233 MERCER ST., NEW YORK.

Hot=Bed

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

ft. x 6 ft., 3 rows 10 in. glass. 3 ft.3 in.x6ft.,4 "
4 ft.x6 ft.,5 " S in. 8 in.

Not glazed, 1% in. thick.

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Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

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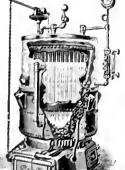
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boiler that will keep a steady heat in a greenhouse all night without attention No sitting up all night to keepa good fire-

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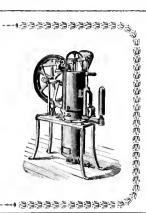
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#### NEW & SECOND-HAND MATERIAL,

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For Greenhouses, Gardens and Lawns in liberal quantities, every hour of the year, whether the wind & blows or not & & & & &

### Improved Rider Hot Air Pump Improved Ericsson Hot Air Pump

Can be run by any ignorant boy without danger. Explosion impossible. Prices greatly reduced. In use in every part of the world.

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Make your contracts for next season now. We can deliver to any part of the country and Save You Money .....

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Experience in Hot Water Reading from 1842. And CONTRACTORS

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Heating Apparatus of Every Description. Small Boilers for Farmers, Steam Kettles, &c. Iron Pipe, Fences and Railings. Cheap and Ornamental.

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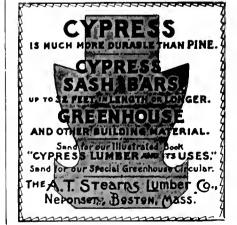
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LOUISIANA **Cypress** Green House

Write for Estimates.

Do the American Florist a small favor. Mention the paper when writing adver-



#### Peat Moss and Jadoo.

ED. Am. FLORIST:— "What is peat moss?" X. Y. Z.

The peat moss used in the manufacture of Jadoo is found, it is said, in North Germany; much of which is exported to this country in bales and is quite dry, and is used as bedding in stables, especially in and near the large cities on the scaboard. It is light and spongy, having great absorbing properties. In conjunction with straw for bedding it makes much better manure than does straw alone, absorbing the urine, thus securing more of the essential plant foods than otherwise would be the case.

Peat moss seems to contain all the ingredients necessary to sustain plant life for a certain period, but whether a proper balanced plant tood, I do not know, or how long it would keep a plant in a flourishing condition, I have not yet determined. Some of it was used here a year ago mixed with sereened coal ashes as a plunging material in a closed frame, and one of the young assistants on the place inserted some carnation cuttings therein a few weeks ago, and he states that they rooted in eight days. He also had a variety of cuttings in, in addition to the earnations, such as begonias, browallia, achyranthes and two American Beauty rose slips, all of which are rooted. The rose cuttings took fully three weeks to root, whereas the succulent softwooded cuttings named above rooted in from a week to ten days. I was afraid of the cutting bed fungus, but so far none has appeared. Jadoo could not do any better than that, and the peat moss does not cost half as much. It varies somewhat in price—I have boughtit as low as \$10 per ton. Jadoo is recommended for the growing of sweet peas. I would like to know wherein it is better than peat moss.

Peat moss ought to be an excellent mulch for anything, because of its lasting qualities, in California where humus is somewhat lacking, on account, I suppose, of the natural grasses being annual, and so far there has not appeared to be much of an effort made to supply humus to the soil by a system of green manuring. Lime is recommended by agricultural chemists to be used in peat proper, and especially in what is known in America as muck, but whether it would benefit peat moss at all, I have not tried.

I am inclined to think that plain peat moss in the hands of practical gardeners and florists can be used in their numerous operations both outdoors and under glass to great advantage.

It has been said that the time willcome when every first-class establishment will have a laboratory attached thereto for the purpose of manipulating formulas for the different specialties in plants grown therein, and I can with confidence say that plain peat moss will furnish a "base of operations" that cannot be excelled.

Judging from the published analysis of Jadoo it has seemed to be weak in potash, and judging from the experience of some growers, it is not a well balanced plant ration, and that is the reason why some plants fail to do well in it. Practical horticulturists with a knowledge of agricultural chemistry could remedy this.

Try plain peat moss in comparison with and where Jadoo has failed, and add with care potash and phosphoric acid to suit; it seems to contain enough nitrogen for a while.

E. L.

## Herr's



WITH

# Experiences Carnations..

READY NOW
SEND FOR THEM
THEY ARE SENT FREE

### HERR'S SMILAX

\$5.00 per 1000; 75 cents per 100. Samples 10 cents.

### ALBERT M. HERR

LANCASTER, PA.

When writing please mention American Florist

### The New White Carnation GENESEE

IT GROWS WELL \*\*\*\*IT BLOSSOMS WELL IT SELLS WELL \*\*\*\*IT IS A GOOD KEEPER \*\*\*SEE AS FOLLOWS ON LAST POINT \*\*\*

Grand Haven, Mich., March 18, 1898. Some of the blooms of Genesee sent to the Grand Rapids Carnation Meeting March 1st are still (18 days after receipt), quite fresh.

GEO. HANCOCK & SON.

DAN'L B. LONG, SALES ACENT.

Priced Circular Free.

......BUFFALO.

#### Buffalo.

There is very little new to tell this week but a great deal to do. The weather still continues mild and balmy and keeps everybody hustling, both indoors and outside. For the first time in my experience, in this part of the country, we have had thirty-eight species of hardy plants in bloom in the open border previous to March 28. Some plants that frequently do not flower until May are now open.

The condition of Easter stock seems to me to be too forward as a rule and if this summer weather continues for another week, I imagine that much of it will be lost. There are a few good lots of Harrisii lilies in sight, and but a few. Most of the growers have had the misfortune to have diseased stock, some having lost nearly half their stock. At one grower's, whom I visited a short time ago, not only were the bulbs badly diseased but those which were growing were apparrently not true to name. However, I presume enough will be found somewhere to fill orders with, if they are not used up by the sun before the time.

Of azaleas there seems to be a good supply, but they have felt the warm wave too, and are in some cases pretty well out. Rebstock has an immense stock of them, but I have not seen them for several weeks and do not know how they are.

Scott and Milley both have large stocks of cinerarias of good salable size. There is the usual amount of cytisus, spiraea, etc. Bulbous stock ought to be plentiful, in fact too much so, for nareissi are already showing bloom in the open ground.

The Florists' Club had a well attended meeting on Friday night. The committee having the flower show in charge reported progress, and the schedule will soon be ready.

### ''Golden Glow'' HARDY

ellent for out flower purposes in summer — Strong pannts, \$6.00 100, \$10.00 per 1000.

IRIS KAEMPFERI strong clumps in ten to color \$1.00 per doz; \$6,00 per 100.

Edwin Lonsdale,

Money Order Office Station II Phila

Florist. CHESTNUT HILL. PHILA, PA.

### ROSES, VERBENAS, VIOLETS

Invariably at these prices.

Cash with Order. F. WALKER & CO.

### Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Corrice Wirade L. Awillembrace the lends at a notation of 1898 and 1897 as well as the best at tablet leaves. Address

H. WEBER & SONS,

Oakland, Md.

#### NIW 222 carnation ARGY

A few left at the following price 4 4 \$10 00 per 100, \$75,00 per 1000....

STOLLERY BROS. ARCYLE PARK.

CHICAGO, ILL.

### Carnations for Business

A few people grow Carnations for pleasure, but most of us grow them for business. 18 varieties of '98, 15 of 

> THE BEST IS NONE TOO GOOD FOR THE AGE IN WHIGH WE LIVE.

We have the Best Varieties in the market, many of them in soil, all ready for shipment. Send for prices. They are all right. & & & &

GEO. HANCOCK & SON, Grand Haven, Mich.

Flora Hill CARNATION

It sells because there is nothing in sight to at all equal it. It speaks for itself whereever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send a once and get the best stock ever offered \$5.00 per 100; \$40.00 per 1000.

Our trade list is issued. Il you have not received one send for it.

E. G. HILL & CO., Richmond, Ind. 

### SWELL YOUR BANK ACCOUNT

By growing Emily Pierson Carnations, the most profitable Red Carnation in cultivation. Clean healthy grower, large full flowers with line stem. Our house, 70×29 feet, from which we have been cutting since September, has 20,000 buds in sight to day. We can supply flue rooted cuttings at \$1.00 per 100: \$8.00 per 1000. Cash with order.

South Side Floral Co., Springfield, III.

THE BEST OF THE NEW PINK CARNATIONS

Mrs. Frances Joost.

A WINNER EVERYWHERE.

22.00 per dozen: \$10.00 per 100: \$75.00 per 1000 cash with order.

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Never Fail to say "saw your ad. in the Florist."

🖊 A few thousands left at prices cheaper than you can steal them

| R000 Daybreak, #1.25 per 160 | \$10.00 per 1000 | 5000 Waye | 1.25 per 100; | 10.00 per 1000 | 10000 Sectt s | 55 per 100; | 6.50 per 1000 | 10000 Webown | 75 per 100; | 75 per 100 | 750 per 100 | 1000 Juhile | 550 per 100 | 22.00 per 1000 VIOLETS

We have 20 000 fine strong plants of Marie Louise to Bats and pols, guaranteed free from disease. We are booling orders for field grown plants, de acce, after July 1st \$35.00 per thousand. Cash with order

LAKE GENEVA FLORAL CO., LAKE CENEVA.

STRONG ROOTED CUTTINGS.

Scott's, McGowan's, Rose Queen.

per 100, \$1.00; per 1000, \$8.00. Hydrangea Otaksa, per 100, \$1.75.

Cash with order. D. Y. DANENHOWER 52nd and Woodland Ave., Philadelphia.

The Gardenia Carnation.

Plants Now Ready \* \$10,00 per 1000

JOHN BURTON, Chestnut Hill, PHILADELPHIA, PA.

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### ORDERS PLEASE

All the Leading Carnations Now Ready. Per 100 

THE MORRIS FLORAL CO., Morris, III.

### WEST ISLIP GREENHOUSES.

CARNATIONS, Rooted Cuttings.

Scott, Portia, McGowan, \$1.00 per 100. \$8.00 per 1000 Daybrenk, \$1.50 per 100. Mived Germiniums, from fints, strong plants \$15.00 per 1000. Mived Chinnas, dry roots of the following sorts. Alphonse Bouvier, Mine. Croy, Closs. Henderson, Oneen Chirafotte, Burbank, John White, etc., \$2.50 per 100. Cash with order,

E. B. SUTTON, Jr., Babylon, L. I.

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NEW CARNATION....

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### The largest, bright rich crim- Empress

Send for price list of above. New and Standard Sorte....

WM. SWAYNE, Box 226, Kennett Square, Pa.

A PHOTOGRAPH OF OUR UNNAMED WINTER BLOOMING SEEDLINGS

## \$300

American Rose Co.'s

**PRIZE** 

For best Seedling Carnation for Winter Blooming.

### **Prize Money**

will be deposited with the American Carnation So-ciety April 15, 1898 to be awarded by them at the

#### ANNUAL CONVENTION

Philadelphia, February 1899.

Send for circular giving full

P. O. BOX 422, WASHINGTON, D. C.



## \$300

### **COMPETITION**

#### ONE HUNDRED

of our Seedling Carnation Plants

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such purchasers are entitled to use in such competition our seedling plants or seedling 🚜 plants of 🥦 🎉

#### THEIR OWN

The owner of the WINNER agrees to SELL it to the

### American Rose Co.

for the highest bona fide offer which would be accepted.....

10,000 strong plants ready April 15th, 1898 in 3-inch pots. Price per 100, \$15 00. Sample plant mailed on receipt of twenty-five

THE SEEDLINGS WE SELL YOU ARE FROM HAND-FERTILIZED SEED OF THE SAME KIND.

### JOS. B. TOWNSEND,

Berlin, N. J.

Dealer in SPHAGNUM MOSS and PEAT. Clump and Sheet Moss for florists' work, Laurel Wreathing and Laurel Branches for decorations in large quantities on the shortest notice. 🚜 🚜 🚜

### CARNATIONS

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices.

### CHAS. CHADWICK.

Lock Box II.

GRAND RAPIDS, MICH.

Say "saw your ad. in the Florist" when you write advertisers.

## Kathleen Pantlind

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Premium-5 Red Wave with every 100 Kathleen Pantlind.

IS a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Vaughan, McKeller & Winterson's every Wednesday and Saturday.

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GRAFTED TEA ROSES, \$15 per hundred.

H. F LITTLEFIELD, Worcester, Mass.

### 20,000 CHRYSANTHEMUMS.

24e-Inch pots.
Major Bonnafion, \$2.00 per 100 or \$15.00 per 1000; President Smith, Eda Prass, \$1.50 per 100 or \$12.00 per 1000.
Ceraniums—the best mixed varieties for bedding, 34e-inch pots, showing hads. \$2.50 per 100 or \$18.00 per 1000; 32e-inch pots, \$2.00 per 100 or \$18.00 per 1000. Cash with order or satisfactory reference.

PAXTON GREENHOUSES.

C. E. Taube, Prop.

Harrisburg, Pa.

mention the American Florist when you order stock.

#### REDUCED PRICES

Very Fine Rooted-

Taken from our "Prize" Stock.

McCOWAN ALASKA ALBERTINI HELEN KELLER ARMAZINDY
DAYBREAK
\$2.00 per 100; \$15.00 per 1000.

SOUTH PARK FLORAL CO., New Castle, Ind.

I have a fine stock of this peerless variety. also most of the leading standard sorts. MARIE EQUISE rooted runners at special low rates.
Write for prices. Will exchange for fruit

W. W. COLES, - Kokomo, Ind.

#### Fire Insurance.

The past winter has demonstrated the fact that even in well built houses, where careful precautions are taken, fires occasionally occur. Few are able to easily stand losses caused in this manner, and very few would care to allow their property to remain improtected if properrates could be secured. How, then, can the trade best secure adequate insurance at the least cost?

In a recent address, Governor Mount, of Indiana, stated that the farmers of that state had paid insurance companies \$50,000,000 in premiums and had received in return less than half that amount. He advised them to form co-operative associations and thus save themselves what experience has shown about one-half actnal rates. Now, florists pay a still more disproportionate amount, and through co-operation, and through that only, will they be enabled to secure rates which will enable them to carry insurance sufficient to adequately cover their property. The Florists' Mutual furnishes a solu-

tion of the problem. It is necessary in order to place the association on a sound financial basis that the first assessment should be nearly as high as the average rates given by the old line companies throughout the country. But let no member of the trade hesitate on this account, as each one who gives his support assists in making assessments lower.

Although now carrying a larger amount of greenhouse insurance than any company in the country the association has suffered no loss in any of the recent fires. W. J. VESEY.



Field-Grown Roots in all the Leading Varieties \$5.00 to \$7.00 per 100.

Large

#### 30,000 DAHLIAS

Before ordering your Dabila stock be sure and send for my catalogue of noveitles and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist, Box 382, Denver, Colo.

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... For the Trade.

NEW CROP. CHOICEST STRAINS **\*CLOSE PRICES** 

Vaughan's Seed Store, NEW YORK, CHICACO.

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ROBITER'S Prize Pansies; extra fine stock plants from ends frames in had and bloom, transplanted in September, plants measure from 1 to 4 inches in dinneter by express \$1.20 pc; 100-4100 pc; 1000 medium size plants transplanted in October inc per 100-35.00 pc; 1000 cish with riter sample pictis fiets.

### PETER BROWN,

Lancaster, Pa.

### Two Great Sports

### **CARNATION**

### VICTOR

Undoubtedly the best Pink Carnation in commerce and certainly the most prolitic bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, \$4.00 per 100; \$35.00 per 1000. Come and see this carnation growing.

### **CHRYSANTHEMUM** PENNSYLVANIA

The finest vellow for cut blooms or exhibition purposes ever produced Plants ready March 15, \$5.00 per doz.; \$35.00 per 100; \$250 00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

### Chrysanthemum Mrs. A. F. Wienold

WE claim this to be one of the grandest early whites yet sent out. Originated with us 3 years ago and given a thorough test. It is earlier than Bergmann. Flowers 7 to II inches in diameter; is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2½-in. pots, 20e each; \$1.50 per doz.; \$10.00 per 100.

CAL. VIOLETS. No disease. Strong runners. 50e per 100; §4 per 1000. MCDONALD & STEELE, Crawfordsville, Ind,

### Ghrysanthemum PRES

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemam Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 2½-in, pot plants, strong, \$2.50 per doz.: \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

## Offer

### ...Primula Seed...

to satisfy the most particular buyers. Sinensis fimbriata varieties.

- a Our Large-flowering London Market Mixture, the packet of 250 seeds for \$1.00.

  b Our English Choicest of all Mixture, collected from the very hest large-flowering, full blooded stock only, one packet, enough for 500 plants, \$3.00.

  c Rolker's Special Mixture, a good average large-flowering Primula, in mixture or in separate colors, the packet 25c; 1-16 oz., about 1500 Seeds, \$1.50.

  d Double-Flowering, in mixed colors, the packet, 50c.

#### Cineraria Seed

Cineraria hybrida grandiflora, our large-flowering prize-strain, of compact habit and growth, flowers often measuring 2-3 inches across, of the richest shades and tints, are carried well above the foliage; in short, a strain not to be beaten; the packet, 50 cents,

Iobacco Extract, the best, equal to 200 lbs of stems. Send One dollar for one gallon tin.
Sheep Manure, unadulterated, nature's own, dry as bone; send Two dollars for 100 pound bag.
Waterproofed Sashpaper, ready for use, 38-in wide, the roll of 25 yards, \$2.50.

Spring Bulbs, Florists' Seeds, Grass Seeds, Fertilizers, Supplies of All Kinds. Send for Lists.

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## 40 Fine Palms Ready For Sale

- 10 Kentius.
  6 Corypha Australis
  6 Areca Lutescens
  6 Areca Lutescens .......3-inch pots ....5 inch pots, strong .5-inch pots, 3 in n pot .3-inch pots, 1 in n pot

Packed light, by express

Rooted Cuttings of Lemon Verbena, Salvia Sidendens - Strong and well rooted - §1 00 per 100, §8 00 per 1000

Coleus, Golden Bedder, Nelly Grant and  Critchell's

110 E. 4TH STREET. Cincinnati, Ohio.

Mammoth Verbena Seeds only \$1.60 per oz. Aster Seeds only 1,00 per oz. Pamey Seeds only 1,00 per oz.

THE MORRIS FLORAL CO., Morris, III.

### Aster Seed

Semple's celebrated strain of Asters. Finest in the World. Mixed colors, pink, white and haven-der. Also a small quantity of pink separate.

JAMES SEMPLE. BOX 2. .. BELLEVUE, PA

THE KIND TO PLANT

### GOOD ROOTS and GOOD TOPS

A large stock of healthy Brides, Bridesmaids, Morgans, Meteors and Perles in 2½ and 3½-inch pots. Just the stock for planting. Moderate prices quoted on application

...THE...

### John Henderson Company,

ROSE GROWERS,

-Flushing, N. Y.

### NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 21/2-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

H. WEBER & SONS, Oakland, Md.

### ROSES

PERLES.....
METEORS...
BRIDESMAID

Pots 100 2½ \$2.50

Guaranteed first-class. Stock grown in low temperature.

THE E. HIPPARD CO., Youngstown, Dhio.

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#### YOUNG ROSES 300,000 300,000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers. Moon Vines, \$2.50 per 100.

Send for prices. The National Plant Company, Dayton, Ohio.

New American Rose

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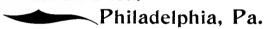
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|-----------|-------------|-------|----|-----|------|----|-----|-----|-----|------|-----|-----|---|---|-----|------|--------|-------|---------|---------|----------------|
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| KENTIA B  | ELMOREAN    | A     |    | ٠.  |      |    |     |     |     |      |     |     |   |   |     | 1    | - 6    | 14-16 | 4-6     | .50     | 3.60           |
| 4.5       | 1.6         |       |    |     |      |    |     |     |     |      |     |     |   |   |     |      | ,      | 16-18 | 5-6     | . 75    | 7.20           |
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| **        | 11          |       | ٠. | •   |      |    | • • |     |     |      | Ċ   | •   |   |   |     | ٠,   |        | 30-36 | 6.8     | 2.50    | 30.00          |
| 1.1       |             | •     |    |     | •    | ٠. |     | ٠.  | ٠.  | • •  | •   |     | • | • |     | - 16 |        | 35-40 | 8.12    | 5.00    | 60.00          |
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|           | E (         |       | •  |     | •    | •  | : : | •   |     |      | •   |     |   |   |     |      |        | 26 30 | 5.6     | 1.00    | 12.00          |
|           | CANARIENS   | 115   |    |     |      |    |     | -   |     | • •  | ٠   | •   | • | • | -   | 5    |        | 18-20 | 4-5     | 50      | 5 00           |
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| 4.4           | 4.4            | from 2 in     | mote     |      |  |  |      |  |  |  |  | 40 | : n | a î | OH 100         |

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The following Stock in healthy growing condition. . . . . . . . . .

Latania Borbonica, from 5-in. pots, full of roots. 18 in high, average 7 leaves; Kentia Belmoreum, from 4-in. pots, 16 to 18 in. high, 5 to 6 leaves. Vrcca Intescens, 18 in. high, 5 to 6 leaves, above 40 cts. cach. or \$3.50 per doz. Channerops excelsa, 15-in. high, 8 to 9 leaves, 25 cts. cach: \$2.50 per doz. Cocus Hexmosa, 5 to 6 ft. high fine decorative plants, \$1.50 cach. Pandanus utilis, from 4 in. pots, 15 in. high, 12 leaves, 20 cts. cach: \$2.00 per doz. Nephrolepis D Furcaus, excellent plants from 5-in. pots, 15 to 18 in. across, 12 leaves, 50 cts. cach: \$5.00 per doz., height of plants given above pots.

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Vellors Jersey and Vellow Sansemond choice stock, \$2 per barrel or live bar rels at \$1.55 per barrel

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READY to quote favorable prices on all bulbous flowers in any quantity. Two & hundred thousand of the finest Marie Louise Violets in New York market. Also Roses, Carnations, Mignonette, Sweet Peas, Etc.

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Fine, Young Plants, From 24-Inch Pots.

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Moon Vines, 82,50 per 100. Rubra Begonia, \$3,00 per 100.

Many other varieties of Roses and full general stock.

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Dear Str. Your sulphur Machine is simplicity
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All orders received before April 25th will be filled for \$1.50. Cash with order.

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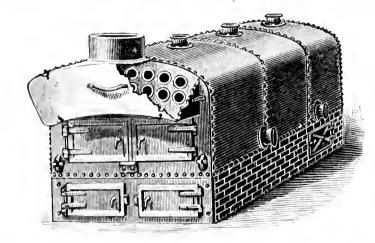
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| Daybreak.  | ••• | ••    | and | transpla | nted | 1.5  |
| Scott,     | **  | **    | **  | ***      |      | . 12 |
| McG wan,   | **  | **    | **  | **       |      | 1 2  |
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All fine, healthy and no rust.

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#### One Ton of JADOO FIBRE Fills 4000 4-inch Pots.

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### HAMMOND'S SLUG SHOT

THE INSECTICIDE.

Dosoris, { ss.

The following representatives of families injured by the use of the insecticide known throughout America, and even beyond the seas as Hammond's Slug Shot, which article we believe to be made at Fishkill-on-Hudson in the State of New York, and to be put up in packages of various sizes and the same to the best of our belief is sold by all dealers in seeds for the garden, and which tradesmen live in any loeality where a post office is established, but is mainly distributed by the large dealers who live in the chief cities and towns, the said Hammond's Slug Shot has for generations of our relatives been doing immense damage in destroying life, or producing an illness among our families-which ended in the death of many individuals, this preparation is a most insidious article, for while if it fall upon a plant be it ever so tender it does no appreciable harm, should one of our species inhale or chew but a very small portion this deadly stuff produces dire effects upon all our kin.

Therefore we representatives of the largest elass of living beings upon the surface of the earth assembled in conference in and among the bowers of this beautiful Island, do hereby affirm, that the said Hammond's Slug Shot is a most dangerous article used in every directiou to our hurt and damage, and warn each and every family of our species to be aware of and depart from any TREE SHRUB, vine flower ing plant or vegetable if one or any of them value their lives or health, for while the said Hammond's Slug Shot does no harm to our old ememy man or to his animals, the said Slug Shot is in man's hands the most destructive of weapons against our race.

Subscribed this 25th day of September, 1897 Aphis-The Green Fly.

Carpocapsa P .- The Codling Moth,

Doryphora 10 L.-The Potato Bug.

Onicus.-The Snow Bug.

Tyloderma T .- The Strawberry Crown Borer.

Pieris Oleracia ( Pieris Rapæ ) The Cabbage Worms.

Agrotis.-The Cut Worm.

Monostegia Rosoe.—The Rose Slug.

Paleacrita V.—The Cankerworm.

Nematus, Vent.-The Currant Worm.

Gateruca Xan.-The Elm Tree Worm. Diabrotica Vit.—The Cucumber Beetle.

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Anasa T. The Squash Bug, and others by the score.

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STOCK THAT WILL PLEASE YOU. CARNATIONS in 2-in, pots or rooted cut tings, Mrs. S. A. Northway, \$10 per 100; Flora Hill, Mapledaie, \$5 per 100; Daybreak, \$15 per 1000; Lizzie McGowan, \$12 per 100; Rose Queen, \$10 per 1000. All the new ones at regular perior.

1 09: Rose Queen, \$10 per 1000. All the new ones at regular prices.

GERANIUMS in 21½ in, bots Heteranthe, at regular prices.

S. A. Nutt, La Favorite, \$25 per 1000: Mme. Bruant, M. Alphonse Ricard, J. J. Harrison, Feur Politevine, \$5 per 100, Frances Perkins, best double pmk. Surprise, Duchesse de Maiole, \$1 per 100, our selection, \$20 per 1000. Mme. Salberoi, \$2 per 100; rooted cuttings from flats, at 100 per 1000. Mme. Salberoi, \$2 per 100; coted cuttings from flats, 60 cts, per 100; 24 n., \$1.25 per 100. Dwarf Beauty, 24 n. new, \$2 per 100; Vinca Var., 5 in., strong, \$6 and \$7 per 100. Vinca Var., 2 in., \$2 per 100.

Begonia Vernon, rooted cuttings, \$8 per 100. Begonia Vernon, 24 per 100. Hegonia Vernon, 25 per 100. Heliotrope, Jersey Beauty, rooted cuttings, 60c per 103; 24 n. \$1.50 per 100. 6 Coleus Klondyke with every order of \$5.00 and over. Terms cash or half cash and half Co.D. Stock A No. 4. CARL HAGENBURGER, West Mentor, O.

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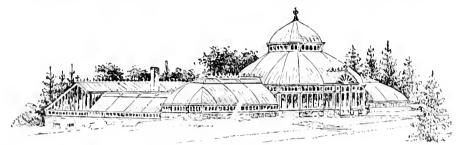
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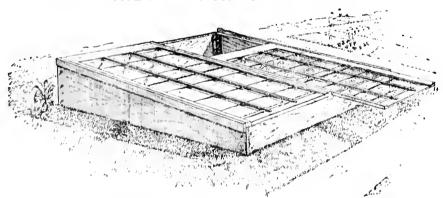
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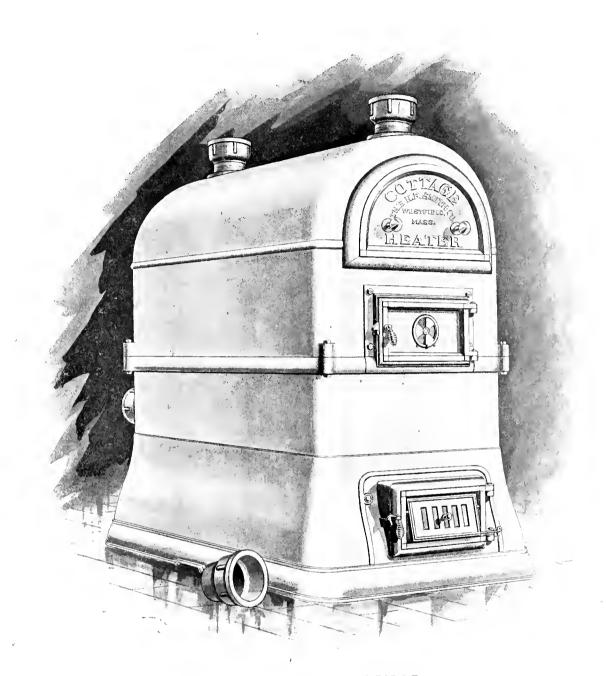
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PRIMULA OBCONICA GR FIMB. (See Paris letter).

### Lily Disease Symposium at the Philadelphia Florists' Club, April 5.

OPENING ADDRESS OF PRESIDENT HARRIS.

The programme of the evening is a symposium on the Easter lily, its diseases, their causes and cure; and upon this important question you have requested your president to open the debate. In that request you have shown much wisdom, because in all well managed feasts the best wine is served last.

Lilium longiflorum and L. Harrisii are universally admired the whole civilized world over, and they are the peer of all other flowers where the christian religion predominates, to beautify homes and places of worship, to commemorate the Savior of the world leaving a short life of misery for one of eternal blins, He leading the way and pleading to all mankind to follow. We annually eelebrate this, the most important and mysterious event the world ever knew. It raises hope to an apparent certainty in the breast of milions that there is a life beyond the grave which gives eternal happiness, far beyond anything the human mind can conceive.

In commemorating the day that Christ arose from the grave there are more lilies used to beautify the day than all other flowering plants combined. So when a plant which plays such an important part in the most eventful feast of the year becomes impaired inhealth from any causes that threaten its beauty it becomes a question worthy of the most serious consideration of this club, and the enlistment of its best thinkers and researchers to restore this most beautiful flower to its pristine health and beauty.

That there is a serious and rapid degeneration from year to year in the constitution of the Easter lily, which costs many thousands of dollars to the craft annually and threatens the destruction of this most beautiful flower, can not be questioned. The first thing, therefore, to do is to find out the cause if possible. That done, we are well on the road to success in restoring the lily to its former health. For there are but few of the many ills which plants are heir to that we can not master when the eause is known to us. Unfortunately I can give no positive facts, only theory, as to the cause, and not even that much for a cure. There has been much written as to the that it is due to hard propagation and continued growing in the same soil year after year.

The latter no doubt has contributed much to the propagation of the disease; the former, I think, has but little if anything to do with it, for I am sure that Lilium Harrisii never got such hard propagation and usage in Bermuda as I gave it for four or five years before I introduced it to the public. And again, the first few years it was grown in Bermuda for profit it received its hardest propagation, yet it was healthy during the time of its worst treatment. In my opinion the trouble is eaused by an insect known by the name of Rhizoglyphusechinops. Where this insect originally came from I can not inform you, nor does it matter. It is sufficient to know that, like the poor, we have him with us, and we want to get rid of him.

This mite is easily seen with a good magnifying glass in great numbers all through the bulbs and at the base of the roots on the stem while the bulb is in a growing condition. Whether he is visible in a dormant bulb or not 1 do not know, as I have not examined a dormant bulb with a glass. This little mite has somewhat the shape and appearance of a turtle, and the sluggish movement of the same, with the exception of having four pairs of legs instead of two, one pair on each side in front of the body and one pair on each side just behind the middle of the body. The rear legs are much shorter than those in front, just protruding beyond the body. Each leg is armed with a black hook or claw. The mite is white with a pair of black nippers on a small head. Quite a pretty contrast of color for such a mischievous enemy

Now if this little mite I have endeavored to describe so minutely, and with such plain and homely language, is the cause if the lily decease, and I believe it is, surely there is some insecticide that will kill this pest without doing injury to the bulb, either while growing or in a dormant state I believe the surest and best way would be treat the dormant bulb with some insecticide that would kill the germs of life of the mite in whatever shape it might exist in the bulb, if that can be done without injury to the bulb, and 1 believe it can.

I will now close, leaving the subject much as I found it-in mystery; but hope that those that are to follow after me will solve the problem. WM. K. HARRIS.

#### JOHN WELCH YOUNG'S VIEWS.

Our good president has asked me to prepare a short paper on the lily disease. say "good" to show that I bear no illtowards a man who compels me to dwell on so painful a subject.

I am not of a scientific turn of mind, and know absolutely nothing about the I only know that it cause of the disease. I only know that it is inherent in the bulbs when received here, and that efforts to grow the plants out of it by liberal treatment have so far

proved fruitless.

I have grown lilies in a small way for a number of years, and had finally passed through the stages of hitting Easter with the crop and of getting the flowers in town without bruising before I met the disease. About that time I was talking lilies one evening with Mr. Battles. He asked, in that deferential sort of way that our great men have of addressing their smaller brethren, which variety I lavored. I blundered through my insurance theory that longiflorums, though more costly to grow and less prolific of bloom, were safer because then untouched by diseasc. asked what kind heliked. "I prefer longi-florum," Mr. Battles replied. Since then longiflorum it has been, for we want what is healthy and sells well.

Longiflorum has always done well with me until this season. I was induced to change from my usual importer and purchase the bulbs from another firm. This firm is of high standing and they sent me fine looking bulbs. Despite careful handling disease carried off over 1000 out of 1200 bulbs. I went to the firm and made a fuss. They were sympathetic, but decidedly skeptical about my abilities as a grower. In fact, they reminded me of the seedsman who, when he was asked why certain of his tuberous begonias had failed, promptly answered, "Was it the fault of the bulbs or the man? Use cocoanut

ubre.

Morally we all have a claim on these bulb importers, but legally none. As the thing stands to-day we are simply being robbed by the Bermuda bily growers, not adv of the first cost of the bulbs but of

much valuable time and space.

It seems to me the duty of our club stop this robbery. Let us pass a resolution requesting every member to insist on a written guarantee that all onlys be free from disease. Mr. Mills thinks this should be amended to cover in ported stock of every kind, that what ever a salesman says of his stock he subseries to in the name of his firm. This will send the importers to the Bernaida and other growers with a demand for a similar guarantee, and if they don't like for their keep their stock

Bassicie, Mr. Carl Beers opened a granch of his establishment on Columbia

#### Inspiring Gathering at Washington.

The banquet given at the Ebbitt House on Wednesday evening, March 16, to the Executive Committee of the Society of American Florists by their fellow members in Washington was a fitting climax to the week's proceedings The atmosphere of the national capitol was the proper stimulant for the broad, aggressive policy inaugurated by the committee of our great national association, and nowhere else in the world could the event have taken place under circumstances and annid surroundings so inspiriting and appropriate.

Among the guests at the table sat a member of the President's Cabinet, Hon. James Wilson, Secretary of Agriculture, whose manliness and sincerity has brought him closer to the hearts of the American people than perhaps any other member of that honorable body.

The position of toastmaster was excellently filled by J. H. Small, Jr. Mr. Small, in opening the after dinner exercises, spoke a hearty welcome to the guests and expressed his full sympathy with the aims and work of the S. A. F. Particularly complimentary was he toward his fellow townsman, Mr. W. F. Gude, who had been elected to preside over the society and whom he called upon to respond to the toast, "The Society of American Florists and Ornamental Horticulturists.

After referring pleasantly to the fact that he found himself on this occasion in the dual capacity of host and guest, Mr. Gude spoke as follows:

A taste for flowers creates the demand. In comparing the status of the business to-day with what it was twenty-five years ago, who can say but that it has increased greater than almost any other business and when it is estimated as to the extraordinary numbers of people employed in its various branches, it is easily to be seen that it forms no small factor in the support, maintenance, and education of many hundreds of thousands of human beings that make up the working element in our country. Therefore, it is important from many standpoints that the organization exists, and this Executive Committee have upon them a duty of greater importance than may be at first imagined.

Washington, which should be the great center in this country in art, literature, architecture and indeed in floriculture, has had much attention attracted towards it by reason of a controversy that has been going on between some of our local florists concerning the relations of the greenhouses of the United States Government and the those of the florists in a producing as well as a distributing sense, and it may be possible that I have been somewhat criticised, as an officer of the national association, for not taking a very active part in the animated discussion that has been carried on, which has resulted, as I at first expected, and now realize in considerable correspondence, the use of many unguarded words, and the publication of many extraordinary exaggerations. If the love of flowers is a cultivated taste, then every little flower must increase the desire to have. Such as have been distributed gratis to hospitals, churches and to some of the ladies and families of representative men, have only been the means of creating a desire that has reverted to the tmancial gain of every florist in the disthat, so instead of the extraordinary losses that have come, as has been represented the whole amount distributed daily it divided up among all the florists

in the District of Columbia would be less than a dollar to each one engaged in the business.

In conclusion, President Gude spoke in complimentary words of Superintendent Smith, who by his long service and by his steadfast loyalty to those engaged in the florist business had shown that there exists nowhere a better or more faithful friend to the florists of Washington, and deprecated the disposition to criticise him in connection with these recent agitations. He expressed the wish that harmony might soon be restored, and that prosperity might come to all.

A mighty volume of applause greeted Secretary Wilson, who was next called upon. He spoke of the universal inhorn love of horticulture which, as the people learn more of its refining influence, is encouraged to begin earlier and earlier in life and he predicted that the time is not far distant when the cradle and the schoolhouse will be decorated with flowers as well as the altar and the grave. The association of flowers helps to high ideals; they cheer and revive; they develop that which makes the world better, and help to fit us for that other world, of which flowers and florists will form so important a part. Speaking of the relations of our national government to floriculture and horticulture, he pledged himself to do anything in his power to conserve the best interests of the florists during his term of office, and assured them that one of the highest honors conferred upon him since he came to Washington is the confidence of the American florists.

Secretary W. J. Stewart, of the S. A. F., was next called upon and spoke of the good work of the national society which has let in the light, and to whose influence is due so much the proud position held by American floriculture to-day, and was followed by Treasurer H. B. Beatty, who was beaming and witty as he expressed his thanks and appreciation of the courtesy and hospitality of the Washington brethren on this memorable occasion.

Next came Thomas Chalmers Easton. D. D. Dr Easton, by the way, quietly drops the D. D. when he goes out to dinuer and becomes "just one of us." He declared that he felt himself only in his true sphere when among flower lovers. His ancestors, he said, had all been florists for many generations and he was "the only stray sheep in the flock." But there is no flower so sweet, so priceless, as true "American patriotism," which he would take as the text of his remarks. Then followed an address, or oration, rather, of which, it is safe to say, the equal had rarely been heard by anyone present at that table. The wildest enthusiasm prevailed while he talked and great applause followed the conclusion of this unexpected treat.

Ex-President Adam Graham, who was next called upon, waxed eloquent as he enlogized the high privilege of membership in the organization over which he had presided during the past year and the nobility of purpose which dominates its counsels and impressed his hearers with the conviction that all the eloquence is by no means confined to the D. D.'s.

Ex-President Wm. R. Smith, superintendent of the Botanic Gardens, pleaded inability to express himself in words; and said that he little thought when years ago, he had rocked the toastmaster, Mr. Small, in his cradle, that the time would come when that gentleman would have the power to make him speechless. He regretted that Secretary Wilson had the misfortune to be born in Scotland instead of America, for otherwise he might have been in the White House. Mr. Smith concluded with a high compliment to the S. A. F. and graceful acknowledgment of what he had learned by his affiliation

with it.
"The Ladies" was the toast assigned to Mr. E. D. Hay, who, with anecdotes and sentiment, witty and serious, soon proved that he was thoroughly acquainted with his subject.

Mr. Benj. Durfee, the next gentleman on the toastmaster's list, gave a most entertaining, satirical account of the controversy over the disposition of flowers grown at government expense, which has been agitating some of the local florists, which he thought would cease to be an issue of importance after Easter Sunday. Referring to the presence of Mr. W. R. Smith, he said: "Here, too, present with us is our youthful boss of the lesser Kew —a lesser Kew only because of a niggardly congress and a torpid public. How earnestly and nobly he has labored through all these many years. Disappointment has never checked his ardor or soured him, and the hope, I believe is still unquenchable within him that by some as yet unknown means, the pulse of the people may be quickened to secure a botanic garden the peer of any in existence, as it is now being quickened to build a navy equal to the best.

Messrs. E. D. Smith for the "Chrysan-themum," E. M. Wood for "The Hub," E. II. Cushman, J. G. Esler, G. M. Kellogg, W. W. Coles and Robert Kift were severally called upon, each giving a good account of himself and the festivities

closed at a late hour.

The decorations of the table and the room were magnificent and unique in design and none of them came from the government greenhouses.

[The appearance of the above has been delayed over two weeks owing to the pressure of advertising and numerous seasonable articles.—Ed.]

#### Cluster Bunches.

For all occasions where bouquets are required the loosely arranged cluster has taken precedence over the more formal set bunch. The gradual evolution of the business together with the quantities of first-class long stemmed roses now so common, has brought about this welcome change. Roses alone are not now considered sufficient for the up-to-date bunch and the floral artist is given great latitude in its construction. The accompanying illustrations show a few examples of simple arrangements loosely tied together, none of the roses being wired.

The buds are gathered up and placed, but not tied, one at a time, being firmly held by the hand until almost the last, held by the hand until almost the last, when a piece of wire bindsthem all firmly together. A very pretty combination is a cluster of Brides with a spot of Gontiers or Bon Silene a little to one side of the center. If tied with narrow white ribbons, and a strand or two of pink to which may be attached by the same colored ribbon a few of the small buds, the effect is very pretty. the effect is very pretty.

Cypripediums work in well with roses, Meteors and cypripediums making a very pretty effective cluster. Mignonette and cypripediums tied with green ribbon is very odd and sure to attract attention. Long stemmed American Beauties with the thorns removed, tied about midway of the stems with a bunch of 100 or more double violets and good broad ribbon is generally received with great favor by the average debutante.

Cattleyas and other orchids with lilies of the valley or alone, make elegant bouquets and of course are the most expensive of the lot.

neither want friends nor business that

the wire may bring."

"Whew! What airs since you got to be president of the Philadelphia club! You ought to set those remarks to



BRIDESMAID ROSES AND MIGNONETTE.

#### Our Telephone.

"Now, central, please connect us with W. K. Harris, of Phil—what's that you say? The one they call the Bard? Yes, the same. Hello, Mr. Harris. Is that

you?"
"Yes, but don't forget this is Easter week and I'm busy."
"Glad to know it. Well this telephone of yours is a great convenience for us; we want to have a little talk with you about

the Easter plants."

"That's all right. A telephone is a great help to business and a social blessing in bringing one in contact with his friends at a distance at all times except Easter week; then it is a nuisance, because we

"I could do it, but I haven't got time. Poetry runs in our family. My daughter and one of my sons are beginning to write a little poem once in a while. Go on, now, what would you like to know?"

"What are you running on for Easter this year?

"Oh, we have about the usual line of stock: Azaleas, lilies, rhododendrons, lilacs, genistas, hydrangeas, Crimson Ramblers and so on. We've had a fine lilacs. Ramblers and so on. We've had a fine lot of azaleas but there are too many of them around. They're too cheap, and this interferes with the price of other flowering plants, but I'm in hopes the high duty will reduce the quantity on our shores this year and stop foolish compc

tition somewhat. We find rhododendrons sell pretty well as Easter plants."
"What varieties are most popular?"

"Oh, any good, strong, bright color goes. Kate Waterer is a pretty good color. John Waterer and Michael Waterer are both good. Sappho is a nice light one. Sigismund Rucker I like, but it gives a little difficulty to carry its buds sometimes. This year it is fine with us. Everestianum is one of the best. It always makes a good plant with plenty of buds. William Austin is a rich, beautiful color and Glennyanum is all right. Then there's the blue one, Fostuosum; it's almost as good as an orchid.'

"Are you having your share of the Bermuda lily trouble."

"They're the meanest lot I ever grew. A few of them are passable, but none too good. The Japanese longiflorums are fairly healthy but the Harrisii are in awful shape."

"Do you find any disease on the Japanese longiflorum bulbsgrown in Japan?

"Yes, sir; some quite bad, but not nearly so much as in the Bermuda grown. Last year only one or two in a hundred showed, but we see strong traces of it in quite a number this year and a few are as bad as they can be. Did you ever see the insect or 'mite' that does the mischief? That is, I think he's the cause of it. He works right at the base of the root and will bore right into the bulb.'

"llow is that discussion on the lily trouble coming on in the Philadelphia

"Say, wasn't that a great idea; start up the thing with a lot of big words and then not take hold! They tried to have some fun with me at the last meeting, but I don't get annoyed when I am rattled. I'd a notion to throw the gavel at them one time. They're a hard crowd to handle."

"You mentioned lilaes and genistas a few minutes ago. Are they still in it as

Easter plants?

"Not genistas; they don't want them, but we grow a few. I don't like to dis-card them altogether. Hydrangeas are gone up as Easter plants too. In lilacs, Charles X is the best single purple and Mme. Legraye the best single white. The double varieties would be desirable, but they are a little costly vet."

Are you trying anything new?"

"Yes, we put in a few Spiraea Anthony Waterer. It is a splendid thing outside, you know, but for forcing it is doubtful. The color is not bright enough; alongside of azaleas it looks dull. We have some Bougainvillea Sanderiana that were planted out last summer, and in lifting we nearly killed them. Bougainvilleas want to be kept in pots for a year or two. There is always a right and a wrong way. You've got to learn to grow even a geranium. Then we have a great house of deutzias in full bloom. They to a beautiful sight." "Imported plants"

"No, sir I grow them myself, from cuttings. These plants are three to four years old. Crimson Fambler is one of the timbers among the newer things. Some grovers who found they were going to be a little late have been driving their Famblers too hard and have got the flowers bad, off color, Cursare all right. Se kept them cool until two weeks before

See kept theme out intil two weeks before Laster when we put them into a temperature of 60°. We have a few Yellow Rambber , and it is no good?"

"What can you tell us about orining tall-tool besides Laster specialties?"

"Well, Pandanus Votchii is our great specialty yet a rou know we were the

first to popularize this plant in quantity. Then we are heavy on oranges. They are full of bloom now and are a beautiful sight. Those that we wish to fruit for next fall we planted out in open ground last summer. Planted out they make good sturdy growths that will flower well in spring and the check in lifting also helps to throw them into bloom. plants, for next fall's sales, we keep inside from now on."

"Do you thin out the fruit on these orange trees?"

"No, we allow them to carry all that nature gives them. The more fruit the better we are satisfied. Speaking about fruit, you know I'm trying to get up a stock of pineapples. I think they will take. There are a number of varieties, green and variegated. When in fruit they are grand as decorative plants and will last in beauty in a window of a dwelling house for two or three months, in a temperature of about 70°. Their price has stood in the way of them so lar, but we can get fruit fit to cut in two years now where it used to take them ten years."
"Is that so? How do you manage it?"

"Oh, plateglass, you know. They want a tropical heat; 80° won't hurt a pinc-

apple

"Are you ready to tell your fellow craftsmen how to grow naturally branched rubbers vet?'

"Now that question becomes a little personal, as it affects my private interests, but I will tell my competitors some time in the near future, and when I do I don't believe many will be able to doit as I have in the past. Rubbers have sold well this year. We are all down to small plants; not a large rubber on the place. I suppose you have heard that we have made a good thing of putting up potting soil in neat little half-peck grape baskets and supply-ing it to the retail stores for their customers. I'd just as leave sell dirt as I would plants. Good bye."

#### Paris.

The annual Parisian Agricultural Fair held for the second time in the spacious machinery hall at the Champ de Mars, the only remnant of the big exhibition of 1889. was opened March 11 by the Minister of Agriculture. Two days previous to the opening, when the thermometer had marked the coldest night of the winter and at the same time we had a pretty good fall of snow, some fears were expressed for the success of the fair. The cold, however,



AZALEAS AND FORCED SHRUBS AS EXHIBITED IN PARIS.

lasted only one day and the weather brightened up again to the satisfaction of all interested in the fair.

The machinery hall being about 475 yards long and 140 yards wide gives a covered superficial area (without any pillar) of, broadly speaking, 14 acres with a gallery around the hall measuring four acres. There is therefore no lack of room for the 2000 exhibits. The sight from the gallery over the whole show is grand indeed and as it would be too great a demand upon the space of your paper to give a list of even the most interesting things, we shall proceed right to the horticultural section.

Vilmorin-Andrieux & Co. cover more ground than the other firms together and their display of itself constitutes a fair sized exhibition. The arrangement of their products is this season particularly attractive. They show us a tall pyramid of hyacinths twenty-four feet high with two other somewhat smaller pyramids which produce capital effect. The spikes composing them are all first-rate and the combination of colors highly creditable. Below the hyacinths, the pyramids are well ornamented with nicely demarcated rows of narcissus, jonquils and of brilliant hued yellow, white, crimson and rose tulips, such as Pottebakker, Prince of Orange, Joost von Vondel, Standaart and Cottage Maid, etc. After these rows comes a nice edge of Ionopsidium acaule and further down encircling the base of the pyramids is a charming bed of primulas, cinerarias, calendulas, lilies of the valley, freesias and other flowers serving to relieve the stiffness which the hyacinth spikes display. Close by the same firm exhibits a fine bed of large flowering cinerarias bearing blooms of immense size, and a bed of wallflowers including all the different colors usually found in that species, which latter bed is nicely margined with Primula obconica grandiflora fimbriata.

Besides the above flowers Vilmorin & Co. also show a fine collection of gourds and squashes, roots, various vegetables and all the different grasses and cereals in sheaves with their ears, spikes or pods. Mention must also be made of their display of sprays of southern grown trees and shrubs such as cucalyptus, mimosa, Cytisus proliferus; Genista monosperma, polygala, Grevillea rosmariniflora and other kinds. We must also call the attention of the florists to their fine plants of Primula Chinensis, giant strain, to which they will add next season a distinct new variety, P. Chinensis marmorata.

« L. Paillet, Croux & Son and H. Defresne have the finest collection of forced shrubs, amongst which the most conspicuous are: Andromeda, azalcas, Chamacerasus rosca, Cerasus Wateri, Clematis Standishi, Cydonia Japonica aurora, Deutzia gracills, Exochorda grandiflora, Forsythia Fortunei, Genista floribunda, Magnolia alba spectabilis, M. Lennei, M. Haleana, M. Soulangeana, Malus baceata, Pæonia arboræa nigricans, P. Stuart Low, P. Elizabethi, Prunus Sinensis, P. triloba, P. Pissardi, Rhododendron Agamennon, Ribes sanguinenn, Spiræa Thunbergii, S. prunifolia, Staphylea colchica, Syringa persica and S. Charles X, with different double sorts and viburnums.

Moser shows a collection of hardy open ground shrubs, such as andromeda, Pernettya mucronata lilacina, with berries of various shades, and a lot Aucuba Laponica

Japonica.

Millet has as usual a fine display of violets including Viola sulphurea, of a



PAN OF HYACINTHS AND LYCOPODIUM TRIMMED WITH CREPE PAPER.

sulphur color, and Viola pubescens, a novelty with a brilliant yellow hue, but small flower. This lot also includes Princesse de Galles and La France the two largest single violets, Armandine Millet, striped leaved, Admiral Avellan, of a curious reddish color, and other kinds.

Georges Boucher, one of our best elematis and rose growers, exhibits a splendid collection of Lilaes Charles X and other single and double flowered sorts in pots. The finest single white seems to be Marie Legray; the best double white, Mine. Lemoine, and best double lilae Michael Buchner.

Leveque has also a good group of lilaes and roses.

Gaulier shows a bed of a new strain of cinerarias with strange, pale colors, mostly pink, rose and coppery red like the viscaria. We understand that the entire stock has been sold to Vilmorin and will be introduced to the trade in the fall of 1899.

Dalle's exhibit comprised some excellent warmhouse plants, anthurium, vanda, odontoglossum, nepenthes, etc., grouped in an effective way around a big phænix.

The displays of other firms are of little importance to the readers of your paper.

Parisian.

HARTFORD, CONN.—The annual spring exhibition of the Connecticut Horticultural Society was held on April 5, 6 and 7, at Putnam Phalanx Armory.

### Crotons.

Crotons are exceedingly useful as decorative plants, and it is to be regretted that they are not more generally used by our florists; their varied hues far surpass any of those autumnal effects which artists are so fond of painting. They are not only fine decorative plants for winter work, but in the summer season they are equally as effective for bedding out purposes.

There are so many varieties suitable for both purposes that it will perhaps suffice if I enumerate a few of the best. For indoor work I would recommend Reedii, Dayspring, Madame Seilliere, Mortii, Johannis, Aneitumensis, Carrieri, Lord Belhaven, Disraeli, Lady Zetland, Hanburyanus and Chrysophyllas. For outdoor planting the following will be found reliable, Baroness James De Rothschild, Dayspring, Interruptus, Aurea maculata, Fasciatus, Multicolor, Lady Zetland, Veitchii, Rubra variegata, Evansianus, Mooreana and Queen Victoria.

They can be propagated from cuttings put in sand, or by ringing, the latter plan I prefer, as it enables much larger tops to be taken than could possibly be done from cuttings. They should, if rung in March, have made a growth of from two to four feet by the end of September. In order to grow them on successfully, it is necessary as soon as they have rooted through the moss, which usually takes about twenty days, to take every particle of moss carefully away, then either pot them while on the plants or cut them of

and place them in a close propagating box until they have taken hold of the soil, when they should be transferred to quarters where they can have more air and light; it will then be necessary to keep them potted on as often as they may require it, in a compost consisting of good fibrous loam, sand and bone dust.

During the time between March and September, which is the season they make their growth, it is necessary to keep them in a moist atmosphere with a temperature of from 80° to 90° during the day and 70° to 75° at night. During the first three months of their growing season, only sufficient ventilation should be given to prevent them from making a weak growth and at no time should ventilation be given which will reduce the temperature below 75°. A house with a southern aspect is best adapted to them, which should be kept shaded until the end of September, when they may be gradually exposed to the snn.

The stock plants after the cuttings have been removed can be planted out in the nursery during the summer when they again will furnish another batch of cuttings by the fall. Another way of utilizing the stock plants is to cut them down to within three or four inches of the pots, then shake all the soil from them and reduce the roots so as to be able to get them into considerably smaller pots than they have been grown in, when if given similar treatment to that recommended for the young plants it will be found that satisfactory results will be obtained.

A syringing with a solution of tobacco extract, in the proportion of one 2-inch potful to two gallons of water once a week will be found an excellent preventive against mealy bug and scale, two pests which they seem to be particularly subject to.

With reference to outdoor planting I would suggest the advisability of plunging the pots, as it will be found that after having been taken up in the fall, the risk of losing their lower leaves will be reduced to a minimum.

D. C.

### To the Members of the S. A. F. and O. H.

Upon the eve, as we are, of another annual meeting of the Society of American Florists and Ornamental Horticulturists, I may be pardoned for addressing our fellow members and all interested a few thoughts pertinent to the organization and its approaching meeting.

But a few years ago a few men engaged in the business came together and discussed the feasibility of forming an organization so as to unify and encourage the development of floriculture in our country. Prior to this time the progress was slow and extremely selfish. Each grower reaped no farther than he personally sowed. He had no ideas beyond those that had come into existence by his own endeavors or chance experiment, and every infant idea thus obtained was feebly nurtured in a single nursery.

A very small but earnest representation were present at the first meeting; at the last meeting there were five hundred members in attendance, every one interested in some way in the advancement of the association. Live hundred is a small propertion of the eight or ten thousand engaged in the business to which the association applies.

It is a liberal organization and extends its invitation to no particular class, but to every honest worker in every brauch of industry that directly or indirectly

bears upon floriculture or horticulture; the professional botanist, theoretical or practical, the tiller of the soil, the grower of trees or plants, the raiser of flowers of every variety; the builder of greenhouses, the manufacturer of heating apparatus for the same, the maker of sashes and means ol lighting conservatories, the potter who shapes the pots for plants, from the simplest clay molding to the most expensive vases; the wire worker who is such an able assistant in the tormation of beautiful and unique designs; the sellers and the buyers, and the merchantmen who have attained wealth and reputation in our line of business; all are welcome. So that, although much of benefit has resulted from the begislation of those who are now members, it is yet of great importance that there should be still a larger percentage than 5% engaged in the work which is, admittedly, not only for the benefit of the profession itself, but for every individual admirer of the resultant efforts of skill and energy.

It is useless to argue a thing so apparent as the advantages of this society.

It should be accepted as an axiom, which as we have all learned in the school books, "needs no proving."

"needs no proving."

One of the first objects is to create and encourage a taste for flowers. This necessarily increases the demand; the demand increases the business; and the business naturally spreads abroad prosperity to our fraternity.

As in union there is strength, it has caused a bond of fraternal sympathy to spring up in our midst, and individual ideas have all been placed in the common pool for the benefit of each other, so that by it the interest of every one has been advanced in a most appreciable manner. It has not been local in its work but national, and its influence has gone into legislation and has brought to the attention of the lawmakers of the country many signal points in the matter of the tariff that has been of incalculable advantage. At the session soon to be held at Omaha, there are many matters of the greatest importance to be considered and upon which it is necessary to have the very best opinions from the practical men of our organization.



CROTON MADAME SEILLIERE.

Omaha is a most hospitable city and its people are generous always in extending the glad hand to all who assemble there in meeting and convention. There is an advantage, too, in having the meeting so far west as Omaha, as it will be the means of giving an impetus to the trade west of the Mississippi, where there is so much lertile soil especially adaptable to flower growing. To those who have not been as far west it will give them an opportunity of visiting some of the interesting cities en route to and from Omaha, and will no doubt be most pleasant in every particular.

I therefore urge upon every member of the association to make his arrangements so as to attend this meeting, and wherever it is possible to do so, for him to extend the invitation to all of his fellow workers who are not yet members, as once in attendance upon a meeting it will be such an event that it will be impossible to remain away from subsequent meetings.

WM. F. Gude.

### Carnations.

In reading over the papers, trade and amateur, it sometimes seems as if florists had a great and grand contempt for nature and her methods of dealing with plants. To a certain extent this is all right, as we violate nature's laws by forcing our stock under glass, where it requires and should receive special treatment.

Sub-watering is one of these special treatments, and the indoor culture of carnations during summer for the elimination of rust is another. Both of these should and will no doubt be experimented with to a considerable extent the coming summer.

None the less there are advantages in the outdoor culture of carnations during the spring and summer months that it is simply impossible to obtain under glass. One of these is good honest rain water straight from the clouds. There is an element in rain that is conducive to the health and building up of vegetation. An element that can not be obtained from any other form of watering. Just what this element is 1 am not scientist enough to know (in fact I do not think scientists themselves know), but that it is there the proper use of our eyes will give us abundant evidence.

Another one, and possibly the greater of the two, is the abundance of air continually circulating around and among the plants day and night. This is a great aid to life and vitality, and a producer of root action, such as it is impossible to obtain in the confined atmosphere of a greenhouse, no matter how well it is ventilated.

If any grower has a plot of good ground for the planting of carnations outdoors, by all means plant them there. The little vitality lost in the replanting next fall is made up ten-fold by their outdoor life during the spring and summer.

Like everything else, there are two sides to this question, and unless a grower has good soil and a plot of ground bigenough to give the carnations room and proper cultivation, grow, them inside as being the lesser of two evils.

My own experience with the soil 1 am favored with is that the results in fine flowers, as well as the number produced, will be at least 40% in favor of those grown outdoors over those grown under glass. Perhaps fine flowers is not the proper expression, as those grown under glass will give as fine flowers (not one whit finer), but not anywhere near the

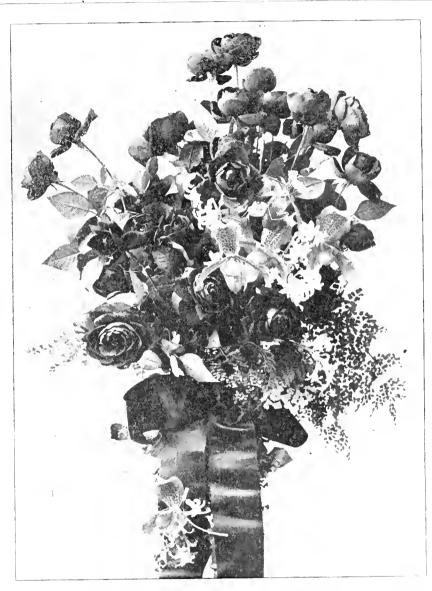
same number of them. In addition to my own evidence I have yet to see the houses of any grower who advocates and practices indoor culture that would not show about the same ratio over field grown plants under good conditions.

With one of these advocates of indoor culture I found about three-fourths of an acre of carnations stuck in one corner of a ten acre field, the balance of the field being a wilderness of weeds. They were planted in beds four feet wide, with about a 10-inch path between the beds, and the carnations planted something like six by

Boston.

PLANT TRADE BOOMING.—LILIES AND AZA-LEASSOLDUP CLOSE.—ALL CUT FLOWERS IN FULL SUPPLY EXCEPTING CARNATIONS. —MEETING OF GARDENERS' AND FLO-RISTS' CLUB, CO-OPERATIVE FLOWER GROWERS' ASSOCIATION AND MASS. HOR-TICULTURAL SOCIETY.—VISITORS.

The first five days of April have been record breakers for the season; snow, sleet, darkness and cold, such as are appropriate for February have been the rule so far, and those who feared their lilies would be ahead of time are now putting



METEOR ROSES, CYPRIPEDIUMS AND HYACINTHS.

eight inches in the beds. Such treatment would certainly make any one an advocate of indoor culture, but what a waste of good facilities.

With another grower, who by the way was an advocate of outdoor culture, I tound a half acre city lot that had been used for carnations year after year and manured until it was soured and unfit for any but the strongest kind of vegetation. Carnations were simply a complete failure, and this grower would have hadwith proper indoor treatment—at least 60° better results from his carnations.

Next week I will give my ideas on out-door culture. Albert M. Herr.

on all steam in the effort to bring white flowers out of the hard green buds.

Kidder and Pierce and Twombly and Dee, Edgar and Bock and Leuthy and Fee, all big lily growers, are already well sold out and there is certainly no surplus in sight. Most of them are longiflorums, but few Harrisii being seen anywhere in this market, and the prices are below those at which it is understood our Philadelphia contemporaries sold. As a rule the lilies here are good, the plants stocky and flowers of heavy substance. The department stores have laid in big stocks of pot lilies and make a big noise over selling them at a few cents advance beyond cost,

but the rough handling the flowers get in these places quickly removes them from the line of serious competition with the

regular florists.

Of other plants there is a good supply visible, but it is understood that azaleas are sold up close and that this market could stand a good many more without hurting it. Rhododendrons are more abundantly displayed than in the past. Some of them are of dull colors and consequently sell with difficulty. In Crimson Rambiers, too, there are many off-color specimens and many that are poorly grown and sparsely flowered. Many of the regular city dealers have taken extra stores for their plant trade and have laid in a heavy stock.

There is more or less cut flower shipping for out of town trade, but the city florists are not inclined to talk cut flowers much until the last moment. There is every indication of a full supply of roses for all needs. Several growers are in with good hybrids. Lawrence Cotter, always on a little quiet hunt by himself, has a grand crop of Kaiserin and Malmaison roses just in the nick of time. Carnations are scarce and when of good quality, bring decidedly faney figures. In whites Nivea takes the lead in this market now. Several growers are sending this variety in elegant shape. Violets are plentiful, the scare regarding them having departed with the warm spell. The best ones are coming from frames but a good many fair ones are still being picked in the houses. There is plenty of bulbous stock and no advance in prices. Smilax is exceedingly scarce, but the call for "greens" of any kind is decidedly limited and no inconvenience is felt.

Twenty representatives of park departments in several cities of Massachusetts, Rhode Island and Connecticut, met at Hotel Brunswick Wednesday evening, April 6, and after enjoying a dinner completed preliminary organization of a society to be called the New England Park Association. Many hopeful speeches were made on the desirability of such an organization for comparison of experience, discussion of problems of construction and mutual social advantages. Temporary officers were elected as follows: President, I. A. Pettigrew, Boston; secretary, Geo. A. Parker, Hartford, Conn.; committee on organization, John C. Olmstead, Brookline, Mass., J. D. Fitts, Providence, 1, Jackson Dawson, Jamaica Plain, The next meeting will be called carly in June. On Thursday the visitors were given a drive through the suburbs as guests of the Boston Park Commis-

On Tuesday evening, April 5, Jackson Dawson entertained the Gardeners' and Florists' Club with some reminiscences of his late European trip. The stormy weather added to the demands of Easter business kept many away who would have been glad to listen to Mr. Dawson. who is always entertaining and instruct-

The Boston Co-operative Flower Growers Association held its semi-annual meeting at d dinner at Young's hotel on Saturday (verting, April 2

At the morthly meeting of the Massa-· husetts Hortscultural Society on April 2. are an endment to the by laws constitut ing a con mittee on forestry and roadside improvement was passed to its second reachi 2

reading and to the August Hacrens, Samergin, Belgaine J. Austin, Shaw, tepresenting Swarecht & Son, New York, L. J. Harnon, Portland, Mc., H. J., Hans, Sesport, P. L.

CROTON JOHANNIS.

### Philadelphia.

THE LILY DISEASE SYMPOSIUM. - P.EONY SYMPOSIUM FOR MAY MEEEING, -ATRO-CHOUS WEATHER.-GREAT SHOW OF PLANTS IN TRADE STORES .- LARGE DEMAND FOR LILIES,-VISITORS.

The lily symposium at the April meeting of the club was quite a success although there might have been more members present, growers who are interested and who ought to do what they could to preserve the health of the lily. Ouite a number of the bulb merchants were present and showed much interest in the proceedings.

Mr. Harris opened the discussion with

a short address he had prepared and John Welsh Young also sent a paper, he not being able to be present; both of these appear elsewhere in this issue.

Mr. G. C. Watson thought that something should be done if possible; probably more careful propagation would do it, also better cultivation selection of land, changing crops, etc. Mr. G. Anderson thought it was not so much the fault of the bulbs as the methods of forcing; that one might as well blame the buzzards for the carrion as the lilies for the disease; that better results would come with more intelligent cultivation.

Mr. Dillon of Bloomsburg was present and said that he had some planted in the ground under the gutter plates or caves of the division of his large house; they had been growing there for four years and produced fine flowers each season, not being disturbed. This season they showed signs of disease for the first time

Mr. Craig thought it impossible to hold seedsmen responsible as some suggested. In Bernauda from reliable reports he had learned that no held of lilies was without it, all were affected more or less. He thought packing the bulbs in tobacco

dust might kill the mite. The symptoms of disease showing in the Japan importations may have come from some bulbs sent over from Bermuda some few years ago, which probably had some mites in them at the time.

Mr. Clark thought a solution of one ounce of carbolic acid in one gallon of water might do to dip the bulbs in, as it had prevented a rot that affected lilies from Japan, when carried over the winter some years ago. Such a treatment might kill the present mite. He also said that his firm, the H. A. Dreer Co., exported large quantities of Harrisii to Europe, mostly in large sizes, and he had yet to hear the first complaint of disease; their treatment was different from that of growers in this country.

Mr. Michell thought a remedy was in order and suggested a thorough fumigation of the bulbs as likely to kill the mites. Tobacco extract or nicotine as strong as possible might be used he thought with good effect. A grower who had pursued this plan had been quite successful.

Mr. Kennedy thought if bulbs were started inside there would not be so much trouble, as those from outside did not seem to force so well when brought inside. A resolution offered by Mr. Young to place the responsibility on the dealers and growers of bulbs, holding them by a guarantee, was tabled.

A preony symposium is scheduled for the May meeting with Mr. Hencock hold-

ing the post of honor.

The weather is atrocious at this writing. Vesterday the glass was at freezing point all day, with a snow storm con-tinuing until late in the afternoon. This coming after such fine weather as we have had has put the growers to a great deal of trouble, and interfered largely with the retail business. It is well, however, to have it early in the week rather than later, it is to be hoped that something better is

in store before Easter Sunday

The stores have all put on their holiday attire, and the great masses of color where plants are packed in as they have to be to utilize every inch of room, make a great show. All hope for a good business, and as for the growers nearly all are sold out, lilies particularly being in great demand.

Visitors in town: James Hartshorne and John D. Thompson of Chicago; J. L. Dillon, of Bloomsburg. K.

### Chicago.

GOOD PROSPECTS FOR EASTER TRADE.-SCARCITY OF BLOOMING PLANTS. -WHOLESALE TRADE GOOD,—PERSONAL.

Retail trade this week has been very peculiar. Very few orders for Easter were placed early in the week. Monday and Tuesday retail trade was very quiet, the florists' extra large stock and finely decorated show windows seemed to have very little attraction to the average customer; for this reason many in the trade predicted a quiet Easter. This was only the quiet before the storm. Wednesday trade commenced with a rush. The prospect now is that the Easter trade this year will be the largest ever done in Chicago. There will be no very elaborate church decorations this year, such as were made a few years ago. Churches now depend upon the contribution of memorial pieces, with perhaps a few plants for Easter decorations. On the other hand the large retail stores in all lines are using vast numbers of palms and flowering plants. Geo. Wittbold has had nearly every plant he has suitable to decorate with rented out all the week, mostly for store decorations.

Blooming plants, such as lilies, hya-cintlis, cinerarias and azaleas are sold in large quantities for this purpose, and more could be sold if the plants were to be had. All kinds of good blooming plants are scarce except hyacinths and tulips. With the vast amount of glass and the constant cry of over-production and close competition which we hear on every hand, it is certainly strange that there is no one around Chicago who makes a specialty of growing the better class of pot plants for the wholesale trade. We are shipping cut flowers all over the United States from the Atlantic to the Pacific coast and from Manitoba to New Orleans, and yet we do not produce pot plants enough to supply our own city. Why can we not supply pot plants to be shipped over as large a territory as we do cut flowers? We are shipping cut flowers this week to New Haven, Conn., and receiving azaleas by express from Philadelphia. Doing business this way is all right for the express companies, but where does the florist's profit come in. A case of azaleas could be sent here by freight in the fall for less than it costs to pack and ship a half dozen azaleas in bloom by express.

The wholesale trade was never better than it has been during the past week. With large orders to fill and a fairly good with large orders to in and a fairly good supply of stock to fill them from the wholesale men are in their glory. There is plenty of everything to fill orders ex-cept carnations, which are somewhat short and steep in price, bringing from \$2 to \$5 for common, and from \$5 to \$7 for fancy. Lilies were selling at from \$8 to \$15 on Monday and Tuesday; by Thursday they were held quite firm at the latter price. Roses are selling at from \$6 to \$10. American Beauties at

from \$2 to \$6 per dozen. Smilax is quite scarce, and good strings bring \$2.40 per

dozen. Tulips bring from \$3 to \$5.
Walter Heffron, now with E. H. Hunt, will be with E. C. Amling after the first May. Mr. Hunt is still quite sick.
It is reported that T. J. Corbrey is in the city.

the city.

A. L. Randall is well pleased with his new quarters; he has the fixtures about completed. The place is thoroughly adapted to his method of doing business.

Visitors: H. Van Zonneveld, of Van Zonneveld Bros. & Co., Sassenheim, Holland; B. K. Bliss, of Boston, the veteran seedsman.

### Detroit, Mich.

That Mr. Gust Knox never does things by halves goes without saying. One of his recent achievements is a conservatory the like of which one seldom sees on a commercial place. The structure covers 20x60 feet and is built in Gothic style. The high dome, the lofty arches and columns, and the cobble stone walls give it

the appearance of an ancient castle, while the numerous little nooks and corners about the place, the stone elevations, or pyramids, covered with moss and holding palms and ferns of all sorts and sizes—are no less attractive to the casual observer.

A fine aquarium, artistically constructed adds much to the general appearance of the place.

Besides the conservatory, Mr. Knox has also added a house covering 20x90 feet. Taken all in all, Mr. Knox's is one of the finest greenhouse plants in the state of Michigan.

TOPEKA, KANS.—The meeting of the Shawnee County Horticultural Society will be held in this city on April 7. It will be devoted principally to the interests of fruit growers.

Princeton, N. J.—The greenhouse property belonging to the Lanchau estate has been sold to Frank Biallas, who proposes to introduce extensive improvements.



CARNOT ROSES AND CYPRIPEDIUMS.

### New York.

PLANT TRADE BOOMING.—CUT FLOWER BUSINESS WAITING FOR ITS TURN.—A NEW GREENHOUSE HEATER.—DEATH OF ROBERT B. YOUNG.

The plant trade is on a boom this week hampered, however, by the very bad weather experienced during the early part. As has been the rule in recent years the cut flower interests must bide their time until the plant business has had its full innings, which is likely to last until Saturday, and not until then will the cut flower people know what their fate is to be. There is no indication of a special run on any one article and no probability of any disturbing shortage on any line, excepting carnations which continue in light supply with prices beyond the normal. As to lilies the result is not yet in sight but the probabilities are that every good flower and plant will find a customer. The quality of stock, in general, is excellent, averaging better than at any previous Easter season.

Genial Sam Burns, who laid the foundations of his success as a heating engineer under the careful training of the veteran, Thos. W. Weathered, thirty years ago. and who has been a mainstay of the Weathered establishment ever since, has evolved a new sectional boiler for which he makes great claims as an up-to-date greenhouse heater. The writer is not blessed with a great reputation as a judge of the relative merits of direct or indirect surface or other qualifications that these heating experts talk so glibly about, and if he were to say that Mr. Burns had proved his case in a recent convincing presentation of the novel points in his invention it would not strengthen that gentleman's claims a particle, so he discreetly refrains; but the catalogue tells all about it, and is well worthy of perusal. The new boiler is called the "Weathered."

Robert B. Young died on April 2 at his residence in Asbury Park, at the age of 60 years. Death was caused by chronic rheumatism from which he has been a sufferer for four years. Mr. Young was born in Greenwich street, New York City. He started in business as superintendent at the establishment of Young & Elliott. Shortly after the death of his brother, Mr. Isaac Young, of Young & Elliott, in 1891, Robert established himself as a horticultural auctioneer at 205 Greenwich street, where he continued until forced by ill-health to retire. He was a reliable and successful man in his business and was held in high esteem by his business associates, employes and friends, who found him at all times a man of big who found film at all times a similar and generous impulses. He was a member of the New York Florists' Club. A widow survives him. The finneral services were held on Tuesday, April 5, and interment was at Greenwood Cemetery on Wednesday.

Visiting New York: Geo. II. Thompson, Lenox, Mass.

### Washington.

In the House of Representatives Mr. Cummings introduced the subjoined bill April 4, and it was referred to the committee on agriculture and ordered to be printed. A BILL TO EXCOCPORATE THE SOCIETY OF

A BILL TO INCORPORATE THE SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORGICAL PRISTS

To it enacted by the Senate and Hinse of Representatives of the United States of America in Congress a sembled. That William I. Gude, C. Leslie Reynolds, Ben

iamin Durfee and William R. Smith, of Washington, in the District of Columbia; William J. Stewart, M. H. Norton, Lawrence Cotter, E. M. Wood and Patrick Welch, of the State of Massachusetts; E. Welch, of the State of Massachusetts; E. G. Hill and W. W. Coles, of the State of Indiana; W. N. Rudd, John Thorpe and J. C. Vaughan, of the State of Illinois; Robert Craig, Edwin Lonsdale, John Burton, W. K. Harris, William Falconer and H. B. Beatty, of the State of Pennsylvania; W. A. Manda, John X. May, J. G. Esler and Patrick O'Mara, of the State of New Jersey; John M. Jordan and William Trelease, of the State of Missouri; Charles W. Hoitt, of the State of New Charles W. Hoitt, of the State of New Hampshire; Joseph Dirwanger, of the State of Maine; Farquhar Macrae, of the State of Rhode Island; A. Donaghue, of the State of Nebraska; James Dean, John Taylor, William Plumb and William Scott, of the State of New York; Sidney Clack, of the State of California; Henry Holzapfel and John Cook, of the State of Maryland; F. A. Whealan, of the State of Virginia; R. Maitre, of the State of Louisiana; J. Spalding, of the State of Connecticut; Elmer D. Smith, of the State of Michigan; their associates and successors, are hereby created a body corporate and politic, by the name of the Society of American Florists and Ornamental Horticulturists, for the elevation and advancement of horticulture in all its branches, to increase and diffuse the knowledge thereof, and for kindred pur-poses in the interest of horticulture. Said association is authorized to adopt a constitution and to make by-laws not in-consistent with law, to hold real and personal estate in the District of Columbia, so far only as may be necessary to its lawful ends, to an amount not exceeding fifty thousand dollars, by purchase, and such other estate as may be donated or bequeathed to it: *Provided*, That all property so held, and the proceeds thereof, shall be held and used solely for the pur-pose set forth in this act. The principal pose set forth in this act. office of the association shall be at Washington, in the District of Columbia, but annual meetings may be held in such places as the incorporators or their sucressors shall determine. Said association shall from time to time report its proceedings to the Secretary of Agriculture, at least once in each year, and said secretary may communicate such reports in whole or in part to Congress.

The bill will be pushed with all possible speed. It will probably be introduced in the senate April 6. This will be for the purpose of gaining time, and the committee on agriculture will consider it at its next meeting. No hitch is expected in the committee or on the floor.

REVNOLDS.

Orange, N. J.—The monthly meeting of the New Jersey Horticultural Society was held in Decker's Hall on Tuesday evening, April 5. Prof. N. L. Britton, director of the New York Botanical Garden, illustrated by stercopticon views, which was greatly enjoyed by a large audience. Robert McArthur exhibited some excellent carnations, Mrs. Geo. M. Bradt being particularly fine. David Tate showed Lapageria rosea and Peter Duff a large vase of Phains grandifolius. Certificates were awarded to all. Prof. Britton was elected an honorary member. There will be a spring exhibition on April 21 in Berkeley Hall, near Brick Church in which the Inanges will co-operate. Much interest is manufested and a fine display is promised.

### Ornamental Bedding.

PART IV.

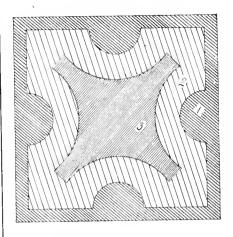


Fig 13.

Here is an easy design to fill the above square.

1, Alternanthera amona spectabilis; 2, Coleus Golden Bedder; 3, C. Verschaffeltii.

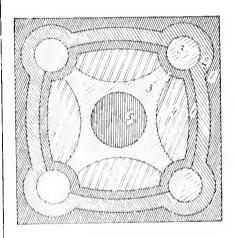


Fig. 11.-An eleven foot square.

1, Alternanthera Reevesii; 2, Mesembryanthemum cordifolium variegatum; 3, Santolina incana; 4, Alternanthera aurea nana; 5, Achyranthes Lindenii.

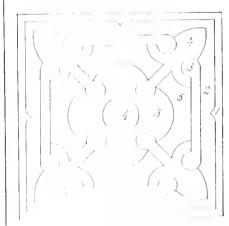


Fig. 15 - A twelve fool square.

1, Alternanthera paronychioides major; 2, Mentha Gibraltarica; 3, Alternanthera amoena spectabilis; 4, Santolina incana; 5, Alternanthera aurea nana.

### A Palm Disease.

Specimens of a diseased palm, Phœnix reclinata, have been sent to me recently for consideration from a large palm grower. The affected leaves have lost much of their original beautiful green color, and along with the yellowing of the foliage there has come a large number of nearly circular pimples that rise for some distance above the surface of the leaf.

The trouble is of fungus origin and the dark spots are due to cup-shaped pro-tuberances in which the spores are developed. This fungus bears the name of Graphiola Phœnicis Poit., and is one of the members of the group of smuts. It is met with upon members of several genera of palms, as chamærops and phœnix; but so far as the writer knows it is not found upon other than the palms. It belongs to a group of fungi that contains some of the worst of parasites, among which are the various smuts of corn, wheat, oats and the grasses generally. Another smut makes sad havoc with the onion industry in some locali-

ties.

Those who grow greenhouse plants may not fear the spread of this disease to the ordinary commercial sorts such as roses, violets, carnations or chrysanthemums, but may expect it to attack many species of palms.

The smuts are deeply seated fungi and by the time the spore spots are produced the affected leaves are beyond recovery, and the best way is to cut all such away and burn them. The removed parts should not be left to rot in a waste heap. It is possible to keep healthy plants from taking the disease by spraying the foliage, thereby destroying any spores that may have fallen upon them. The removal of the young spore masses as they appear may be of some value.

Figure 1 shows a portion of palm leaf magnified three times and the spore spots are overrunning with the spores. In figure 2 a later appearance is shown where the wall of the cup is thick and quite dark. This leaf is likewise increased to three times its natural size.

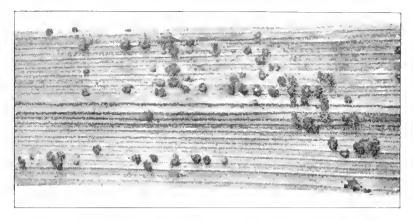
Byron D. Halsted.

### Mr. W. H. Taplin's Experiences with Jadoo.

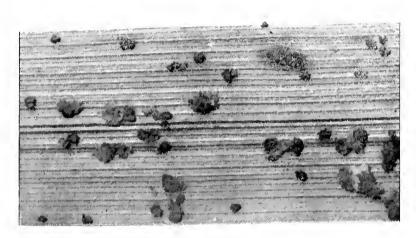
My first experiment was made with a small quantity of the jadoo fibre during the summer of 1896, and the material being received at about the same time as a lot of seeds of Latania Borbonica, I planted a number of pans of these seeds in the new substance, and carefully noted the results.

In addition to the pans referred to, in which no other compost but jadoo was used, I partially filled several others with our ordinary compost on which the seeds were sown, then used jadoo as a covering for the seeds. The entire lot of seeds, including those planted in pure jadoo, those in part jadoo, and also those in the ordinary compost, were then placed in one house and submitted to the same treatment.

The seeds sown in jadoo seemed to germinate slightly quicker than the others. showing above the surface about one week sooner than the main lot, but this apparent improvement was only temporary, and when the seedlings were about three inches high they stopped growing, the jadoo evidently failing to provide the necessary nourishment. From this time forward the jadoo seedlings did not improve, and for some months after the entire lot was potted off in ordinary



A PALM DISEASE, FIG. I.



A PALM DISEASE, FIG. 2.

soil the batch of jadoo seedlings could readily be picked out, owing to their starved appearance The seeds that were merely covered with the jadoo, while not equal to those on which no jadoo was used, were better in results than the first lot.

The lesson from this experiment was obvious, and I at once decided that I had no use for jadoo for this particular purpose. On September 15, 1897, I began a few more experiments which have ex-tended over a period of six months, and were as follows: Three sets of plants were selected, each set containing a given number of Pandanus Veitchii, P. utilis, Latania Borbonica, Areca lutescens, Kentia Beliuoreana, Cocos Weddeliana, and Ficus elastica, the plants in the three lots being selected to correspond with each other as nearly as possible. The first lot was potted in jadoo and watered with jadoo liquid in accordance with directions, the second lot was potted in jadoo and watered with pure water, and the third set of plants was potted in ordinary compost and also watered with pure water only.

At the end of the six months' trial the only species grown in jadoo that are equal to those grown in ordinary soil are Pandamis Veitchii and Kentia Belmore-ana, while all the other species tested have been steadily depreciating for the past two months, there being apparently little or no difference between the plants watered with jadoo liquid and those which only received pure water.

The jadoo liquid was also tested on some pot-bound specimens of Kentia Forsteriana, being applied twice a week for seven (7) weeks, and at the end of this period no improvement whatever could be seen in the plants.

As a rooting medium for cuttings, I have only used jadoo for a few araucaria cuttings, and in that instance it was not satisfactory, while similar cuttings planted in the mixture of sand and cocoa fibre that I have used for many years for propagating purposes rooted readily. The only conclusion arrived at after these brief experiments is, that we have much more confidence in our regular compost which costs possibly \$2.25 per ton than in jadoo at \$27.50 for the same weight.

W. II. TAPLIN.

### Grand Rapids, Mich.

Trade has been very good here this week, mostly funeral work. Flowers plentiful, excepting carnations which have been rather scarce.

Easter lilies, callas, roses, violets and bulb stock will about equal the demand, but carnations will be rather scarce for Easter

Crabb & Hunter are preparing to build a new carnation house and several violet houses. Wealthy Avenue Floral Co. expect to rebuild some of their houses. Grand Rapids Floral Co. and James Schols both expect to add to their glass. Henry Smith is building a carnation honse and more violet houses.

honse and more violet nonses.

The next club meeting will be held at the Engle hotel, Tuesday evening, April 5.

H. S.

### Sketches From My Trip East.

I am sure I voice the sentiments of every member of the executive committee of the Society of American Florists and Ornamental Horticulturists when I state we shall carry with us for a long time many pleasant recollections of Washington, and our florist friends who so royally entertained us.

That banquet! Well we will never forget it. The Washington boys have proven beyond question that they know how to get up a banquet in a most artistic style. Tables, walls, in fact the whole banquet hall was profusely and artistically decorated; nothing was lacking to make everything most pleasing and enjoyable. The speeches from the Hon. James Wilson and other distinguished guests were very instructive and entertaining. President Gude and our old friend W. R. Smith proved to be good after dinner talkers.

Your Philadelphia correspondent has given you a full account of what took place while we were in Washington, therefore I will only briefly mention a few things which may interest your readers.

I was much impressed with a red seedling carnation at the American Rose Co.'s establishment. As seen there it seems to be a good healthy grower, free bloomer, good size, flower on long stiff stems. A house of Victor carnations was a sight long to be remembered. Mr. Victor has no doubt come to stay. Roses in general were also in fine condition at this immense establishment. I like the way Golden Gate is done there; it seems very prolific and many fine flowers on long stiff stems were seen; the name, however, is very misleading, as the color is a light delicate shade of pink, somewhat in the way of President Carnot; Alme. Chatenay is a very pleasing shade of pink, quitefree, but flowers a little under size; one house 50x145 filled with this variety was a grand sight. American Beauty, Brides and Bridesmaids were conspicuous by their absence in this establishment, not a plant of these standard varieties was

Mr. Durfee has great faith in Kaiserin; it is the only variety he grows for a white; his stock looked in the pink of condition. I was much disappointed in Mrs. Robert Garrett; not more than 10% of the flowers seem to come perfect, and mostly on short stems. I sincerely hope this variety will prove better in other sections of the

At Gude Bros.' everything was in first-class order. Meteors, La France, Golden Gate, Maids and Bride roses were particularly fine.

After leaving Washington my visit was with the "Grand old duke" (Lonsdale) at Chestnut Hill. There American Beauties in solid beds were seen, perhaps as fine as any in the coun-This collection of orchids (which is said to be the finest in Philadelphia) were the picture of health. Farlevense fern and palms were also grown here to some

In close proximity to Mr. Lonsdale is Mr. John Burton, whose reputation for growing A No. 1 roses is world wide; about half of Mr. Burton's establishment (which is over 10,000 square feet of glass) is devoted to American Beautics, and a finer pet et process our scribe has never ber a fact ever thing on the place was to any good attension the investment in the system of the state of Carnot were the pattern of the theorem poor house in the continuous model place, two Lines of Mark Superlanders and the sight this variety should prove a good commercial sort.

I also visited Myer and Samtman, which is within a few blocks of the last mentioned place. Beauties were also the leading variety here and done in grand shape; their whole establishment, which is quite large, is devoted exclusively to roses for cut flowers. It will be remembered Della Fox carnation originated here, but not a carnation of any description is seen on the place to-day.

I was sorry to leave l'hiladelphia, as the oysters served there seem to have a better flavor than in most other cities, but my time was limited and next day I made a flying trip to New York, in company with Mr. Elmer D. Smith of Michigan. Having only one day in this eity it was spent at Queens and Floral Park.

Mr. Ward was first visited. Carnations, geraniums and chrysanthemums are here grown in large numbers. White Cloud and John Young impressed me as being two good white carnations worthy of trial; New York was also in fine shape. Bon Ton is a very pleasing warm searlet, good free bloomer and very stiff stem; not quite up to Jubilee and Flora Hill in size, but has enough other good qualities to make it a good commercial sort. Mr. Ward has had enough of short span to the south greenhouses, and hereafter will build nothing but equal span with a space between each house. His last house is certainly a model for the growing of any plants for cut flowers in winter.

After spending about an hour and a half with Mr. Ward he kindly gave us a carriage ride to Floral Park to visit Mr. C. H. Allen. Gladiolus is one of Mr. Allen's specialties, of which many thousands were seen in storage. In the greenhouses Scott carnations were a sight not soon to be forgotten-large heavy plants, long stiff stems and blooms, extra large for this variety. It had never before been our pleasure to see any house of carnations so thickly set with buds and flowers. McGowan was also in fine condi-

Next day found me at Binghamton, N. V. A call was made on Mr. W. H. Graham, who has worked up a nice local trade since locating there some four years ago. Roses, carnations, bulb stock, etc., are well grown for a general retail trade, mostly sold through his store, which is located in the heart of the city.
W. W. Coles.

### Baltimore.

EASTER OBSERVATIONS.—LILIES SHORT.— CURBSTONE DEALERS. - JONQUILS AND DAFFODILS PLENTIFUL -ROSES AND VIO-LETS CHEAP,

Well, here we are again on the eye of our spring harvest, known to church goers as Easter, and let every man who has just the stock he intended to have, in just the condition he wants it, hold up his hand, or make some sign, andible or visible. Every man in the crowd said to himself last spring, "I have found out what to grow, and the experience I have picked up will set me just right for next baster." But, alas! observation doesn't seem to prove that all came out, or will come out, where they expected to, In fact, considering the number of conditions necessary to be weighed and provided against, it is a sort of workday miracle of skill and prescience that enables the florist to have the bulk of his Easter plants and flowers at Easter instead of some weeks before or after. The seeds,

bulbs or plants; the heating, the ventilating; the clouds, rain, sunshine, frost, all are to be considered; besides the responsibility of employes, one of whom by one bit of carelessness may spoil a houseful almost ready for market.

It is something of a wonder that flower growers are as contented and cheerful a lot as they generally are, in spite of the strain of uncertainty and unceasing watchfulness in which they live. They must catch some reflection of trust in Providence in their toiling existence, from the lilies "that toil not" and the bright works of nature by which they are surrounded. What else could keep a man in a business where the brain of a scientist. the taste of an artist, the skill of mechanic, must be combined with the cunning of the merchant and the physical vigor of a day laborer to insure success in a moderate degree? And where the hours of labor are not from 9 a. m. to 3 p. m., nor from 8 a, m to 5 p. m., nor even from 7 a. m. to 6 p. m., but all day, yes and frequently all night too, with enough cares for the seventh day, which almost every other trade has for rest, to keep a pretty continuous wear.

A flying triparound among the growers shows a very moderate amount of distinctively Easter material on hand. Lilies will almost certainly be a short crop, several whose plants seem healthy will be too late; only two have been seen whose flowers are too forward, and they are practically in full bloom three weeks too

Though a good many tulips and hyacinths are coming on there seems not to be enough, even of these, to supply a full fledged demand. It is hard to estimate these this far ahead, as many are no doubt in out-of-the-way corners and will turn up all right when needed.

Messrs. Fischer & Ekas have one of the most interesting places to visit about town. It is a sight to see when Mr. Fischer goes over his seedling carnations, showing off the strong points of pets and disdainfully passing by plants with monster blooms that have a split calyx or weak stem or bad color, or some other unpardonable defect. Several now on probation seem perfection to anyone but a carnation specialist, notably one about the color of Philadelphia chrysanthemum, and another white with delicate fringe of searlet around the edge of each petal. The place is not confined to seedlings by any means, as the thrifty looking plants in the other houses testify.

J. G. Erdman is not only ahead with Harrisii lilies, but has planted a lot of chrysanthemums outside, and has a nice lot of smilax and miscellaneous plants

Montgomery Bros., Jas. Simpson and M. Richmond all seem to be growing seedling ferns enough to supply the city. The geraniums, and pot plants generally, on all these places are looking first-class. Curbstone dealers are having things all their own way in the city. Violets seem their chief stock, but now and then one sees really good roses in a dilapidated basket or tin bucket with a voluble salesman behind them. The worst form of this business is when it is combined with some malformation or pity-exciting deformity, as was shown by the steady sales of a little hunchback girl.

PTI (800 to, Mass,—Frank McCarry, employed by John White, the florist, recently received a severe scalp wound by being thrown from his wagon.

# The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00, Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WE desire to call the attention of our advertisers to the annexed statements of the Chicago postmaster and our printers in connection with the last issue of the AMERICAN FLORIST.

Springfield, O.—John M. Good of Good & Reese, who was deposed as mayor last February was re-elected April 4 by a majority of about 900. Many leading republicans supported him on the ground that the ouster wasclear persecution.

THE WESTERN NEW YORK HORTICULT-URAL SOCIETY.—We are in receipt of the report of the proceedings of this society at its forty-ninth annual meeting, held at Rochester, January 26 and 27. The volume contains numerous valuable essays and reports from prominent authorities.

### Professor Cowell's Experiences with Jadoo.

We have been experimenting with jadoo for over a year and have as yet been unable to obtain any results that convince us of its superiority to other materials which we use, or to lead us to think that we can use it for the few things that do well in it with any profit. There are a few plants that for a time do remarkably well in jadoo, but the stuff is too expensive for us because we have other materials which answer just as well at onethird the cost.

The mechanical condition of soil or compost is a most important item, and one that though generally recognized in a way, receives from comparatively few gardeners the consideration which it deserves. We have all of us perhaps been too prone to pot everything from the same pile, because we felt sure that it was rich in food supply and offered all the usual elements in abundance. It is well because that certain plants can not be known that certain plants can not be grown in what we call our ordinary potting soil. Who can tell just how many of our everyday plants would do better under different physical conditions of soil? It is to the physical condition of jadoo that I attribute the success that seems to have attended its use by some growers.

There are certain plants, more particularly some of the very coarse rooted ones, like dracanas of the terminalis style and some young palms, that start off very well in jadoo, but they very soon exhaust the food supply and require repotting; and we find that if we keep the plant moving we soon have it in a pot that is out of all proportion to the right of the ont of all proportion to the size of the plant. To those who have been using peat moss and cocoanut fibre for years, I think jadoo will not bring any help, for they will, with the proper fertilizers added, produce as good or better results at a very much lower cost.

We have tried during the year a great many kinds of plants in this much advertised material, and are still trying it.



RECEIPT OF CHICAGO POST OFFICE.



American Florist Co..

324 Dearborn St.,

City.

Gentlemen:

This ie to certify that we printed Sixteen Thousand Four Hundred, (16,400) copies of the American Florist, Easter Edition and mailed Fifteen Thousand Six Hundred and Thirty, (15,630).

Respectfully,

Regan Printing House.

- afskeard before me dant & above, this Fifth 98 Lillian M. Jewett.

PRINTERS' CRTIFICATE AND AFFIDAVIT.

Undoubtedly many plants can be grown in it. A chrysanthemum can be grown in it and even flowered but we have not

been able to grow one which was at all satisfactory, and we have tried many.

The foliage has always been poor and the plants have presented invariably the appearance of starvation notwithstanding frequent applications of the "liquid." Dracenas like fragrans and its variety Lindeni after a short time take on this starved look. We have grown several species of asparagus (Sprengerii among the number), some ferns and many other plants selected from a general collection in jadoo alongside the same species planted in other material, and the latter were with only one or two exceptions by far the best.

With orchids we have not tried it very extensively, some half dozen species being the extent to which we cared to go. Of these one species has done very well, in fact I think better than the check plants which were beside it-this species was Calanthe Veitchii,

For seedlings and cuttings it does not seem to me as good as several other substances which have been in use for years.

JOHN F. COWELL.

### A Drummer's Twaddle.

Not in the history of the florists' trade has there been earlier or more extensive transactions in the east than during the past week. Most of the plant trade usureserved until Easter week is now well on and business promises to be heavier than at any preceding holiday, and inci-dentally we have had the chance to note what an orthodox class the eastern florists are, when witnessing at several large places the industrious preparations and packing on Sunday to meet the exigencies of this unusual and early demand.

Prices, too, are firm and stock will clearly sell out at a shade or more above usual Easter prices. Azaleas, hydrangeas, genistas, spirasas, etc., are generally in excellent shape. Hyacinths, tulips and narcissi, most of them in without heat, are especially well-grown and lasting. The Crimson Rambler rose has increased its reputation for value as an Easter plant, several of the large florists having grown quantities of large plants in profuse bloom bright-flowered and free of mildew.

It has taken a season or two to learn how to handle this, but from the appearance of stock we have seen, the lessons have been well learned and this rose now is added to the list of showy and salable Easter plants.

Lilies are scaree on account of diseased bulbs, a portion of the crop having gone to waste during the mild weather.

This is the time when the grower anathematizes the bulb dealer as a venial wretch, and the drummer as his arch conspirator, and wonder is expressed why he still walks the earth and "rears his head in unblushing effrontery;" it is just the season when this industrious pilgrim should lie low and await the passing of the harvest trade of this profitable season to bring about that pleasanter mood among the florists which we all enjoy when the hard earned shekels jingle their sweet music. The planting mania will again return and the growers again "burn their fingers" as surely as the water ran on in Tennyson's "Brook"—and this is no babbling either—and so the villified drummer sees the light ahead, trudges his weary round, weaves his blandishing smile; extends his jolly greeting, talks, it may be flippantly, on the fresh topics of the day—your drummer is always fresh— if about Cuba Libre, to illustrate the American deep-seated feeling against spain he tells of that last hotel where he stopped which nearly had to close its doors because it had Spanish mackerel and Spanish onions on its menu, and thus ever beginling with his far-fetched and gleiful sermons on current questions of the hour, customers in self-detence and tor riddance, torgetting the past, secretly for fundance, to getting the past, secretly admitting that after all he did as well lest year as anyone in this imperfect wild, give him the coveted order, serence, and satisfaction again spread over the scene, both florist and salesman begin mey the round of another year in their with among the flowers, jointly exclaim-The sun has come

Philadelphia, Pa-Resea Loos

### Cut Flower Price Lists Received.

H. L. Surderbruch, Co. Cincinnati; Holtaria, Hunlel Co., Mileauker, W. A. & Laderi, Cincinnati, Llis & Pollworth, Mickauler, A. G. Prince & Co., Chicago, Acich, Bros., Boston, W. L. Kasting, Battalo, St. Louis, Cit. Hower, Co., St.

### Rochester, N. Y.

GORGEOUS WINDOWS. - PLANTS IN GOOD DEMAND. -- CUT FLOWER MARKET STEADY. -COLD SNAP.

The store windows of our florists present a most gorgeous appearance this week. Most conspicuous among the plants are of course the lilies and the azaleas in variety. Another prominent feature in the display is the increased number in rhododendrons and in well shaped lilaes, also some profusely flowered metrosideras in compact bushy plants. Kalmias are seen in several places, some of these are a little lanky but thickly set with flowers; ericas of medium sizes seem to sell rapidly and it is not very likely that any of them will be left over; hydrangeas had time this year to get har-dened off, and are in better condition to withstand the dry atmosphere in a dwelling house than they usually are when forced for Easter. The grand large specimen of Paris daisies, offered in various places are sure to find purchasers Genistas are in evidence everywhere in all sizes. Spiraea astilboides and the Japan varieties are represented in profusion; einerarias are not at all scarce and H. P. roses are quite plentiful. Crimson Rambler has also been bloomed by several growers, but here I have to state that budded stock has invariably given better satisfaction than those on own roots, the clusters or panicles being not only much larger and far more robust but are produced on every growth, while the plants raised from cuttings have a tendency to run up blind shoots from the base.

The flat pans filled with bulbous stock of all description have sold remarkably well all winter and the demand is not diminishing. Valley pans are decidedly in fashion here at present and in addition thereto we may mention the dwarf English primrose and its hybrids, and the low compact growing forget-me-not, which when fully out in bloom are so inviting, and not being very high priced are readily sold. Violets and pansies grown in the same manner are equally acceptable and several of our storemen have them in their windows.

The cyclamen at Geo. Keller's, which were so successfully kept back for Easter are nearly all disposed of and have proved quite profitable, as also have his blue daisies, which he had in cold frames until seven or eight weeks ago; undoubtedly we shall see more of these near and freeblooming plants another season

As to the state of the cut flower market during the week past, we can not say that the demand was very brisk, though but very little stock went to waste. The supply was not excessive, and what came in could be used up every day. The prospects for an abundant Easter supply are layorable, but cut lilies will be rather scarce and command a good price.

All our florists are quite confident that Easter trade will be ahead of last year's, especially in the plant line, and they are well prepared to meet a large increase in the demand for the latter.

Four or five successive real cold days have done a lot of damage among bulbous stock outdoors, especially is this noticenble with hyacinth beds which were nearly fully out in bloom at the time, they are lying flat on the ground now and early tulips have suffered in many localities in the same way, the mild March days had tayored a rapid growth which proved too J. B. K. soft for severe frosts.

Say "saw your ad, in the Florist" when you write advertisers.

Dayton, O.—Warren Matthews' greenhouses were in the flooded district. He lost the entire contents of the houses.

DAVENPORT, IA.-Mrs. F. L. Bills has opened a new place at 104 West Second street. For the present she will continue the business at her former location, also.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year ISBS is entitled to a five-line want adv. free to be used at any time during the year.

SITUATION WANTED-By No 1 grower of reses, carnations, violets and general run of cut flowers; married, 27 years' experience. References.

P. R. care American Florist.

SITUATION WANTED—'y competent gerdener and florist on private or public place, where intelligent service and good results are wanted. Best of wages expected.

A P A, care Am. Florist.

SITUATION WANTED—Single size 30; grower of roses, carnations, 'mums, vi lets, paims ferns, etc ; qualified to take responsible position commercial or private. F A 11, care American Florist.

SITUATION WANTED—By good, aft-round green-house man, age 27: 10 years' experience (Hol-lander). Best of references. Can come at once. Address II. KLEINSTARINK, Station A. Louisville, Ky.

SITUATION WANTED—A men 30 years of age, single, wants position in commercial place; good grower of roses, carnations, imms, palms and general stock. Best of references A tiberty April 1 F 11 B, care American Florist.

SITUATION WANTED—Married man, age 28, no family; private or commercial; 12 years with leading tirms; capable in all branches; willing to ran commercial place on commission plan. References.

GARDENER. Floral Park. L 1, N. Y.

SITUATION WANTED—As forement or manager in large cut flower establishment by a first-class grower of roses, carnations, immis and general stock; has been forement in lurge places for the past 10 years; 24 years' experience. Best references. Address F.B. care American Florist.

WANTED—An all-round good man for greenhouse work; married man, stendy work. Address JACOB MEYER, Morton Grove, Ill.

WANTED TO RENT-Established florist business; houses must be in good condition. Or would buy interest in business. In writing give thi particulars. Address  $G \cup G$ , care American Florist

WANTED AT ONCE—A florist, German and sln-gle; wages for the first two months \$20, and after that \$25, board and washing included. Steady work the year round. A. SENIF, Menominee, Mich.

WANTED-in a Wisconsin city, an all-round fierist, a capable man to take entire charge, grow good roses, carnations and general greeoionous stock. Must be sober, honest, industrious. Good wages to the right man. References required. Address.

M.G. care American Florist.

ROR SALE- Greenhouses on principal street in the city of H. REBSTOCK, 584 Main St., Buifalo, N. Y.

FOR SALE OR RENT CHEAP - Six well-stocked greenhouses, dwelling, etc. Best R. R. facilities, no competition Reason, poor health.

W. L. WINN, White Hall, III.

FOR RENT Two neres of rich land suitable for ito-rists' purposes; conveniently is cated within nine interest aboiton. Will give ten ear lease on very invortible terms. Lattely occupied by a florist. Ad-dress

Hox 56, East Lexington, Mass.

FOR SALE.

Two Greenhouses, well stocked, no competition.

House attached.

E. GRAVES, Piltsfield, III.

# FOR SALE AT A BARGAIN.

A newly built but well established florist business of to,oro feet of glass Centrally located and well stocked. Sickness cause of wanting to sell. Address

BUSINESS, care American Florist.

# FOR SALE

Six Greenhouses; about 11,000 feet of glass, well stocked; wholesale and retail; town of 4,000; no competition; less than one hundred miles of Chicago; two railroads. For particulars address

"A," care American Florist.

### Grafted Roses for Forcing.

ED. AM. FLORIST:-In reply to your inquiry for my conclusions as to the value of grafted roses for forcing, as compared with those on their own roots, I would say that after reading Mr. Simpson's article about grafted roses a year ago I procured 1000 of the Manetti stock and grafted them with Beauties, Brides and Bridesmaids. The Beauties have not done as well as those on their own roots. The Brides and Bridesmaids planted on the same bench with those on their own roots have grown much stronger. The proportion of buds with stiff strong stems has been greater, but those on their own roots have given a greater number of buds.

I do not see that the grafted ones have any great advantage over the others, and do not think that grafting will ever take the place of growing them on their own

I did not keep any account of the number of buds cut from the same number of plants grown in each way, and cannot speak as positively as I would like to be able to do.

I am making a trial of another 1000 and hope to be able to give you a fuller report next year. Joseph Heacock.

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

### ASHES CHEAP.

ALSO PURE GROUND BONE.

Write for prices. CEORCE STEVENS, Peterborough, Ont.



# Wholesale Flower Markets

| Brides   15,006-35,00     Brides   6   000-10     Bridesmalds   6   000-10     Meteore   8,000-10     Perles   4,000-6     Carnations   3   00     Romans   3,000-4     Narciseus   3,000-4     Daffodila   4,000-6     Callas   10,000-7     Harristi   12,50     Callas   10,000-7     Meteore   3,000-6     Adjantum   1,00     Adjantum   1,00     Brides Bridesmalds   4,000-6     Wiolets   5,000-7     Adjantum   1,000-7     Brides Bridesmalds   4,000-6     Brides   5,000-6     Brides   5,000-6     Brides   5,000-6     Brides Bridesmalds   5,000-6     Brides Bridesmalds   5,000-6     Brides Bridesmalds   6,000-6     Brides Br   | G                                       |
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| Brides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CINCINNATI, April 7.                    |
| "Bridesmalds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |
| Britesmans   0,002   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00   10.00     |                                         |
| " Meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Bridenniarida 0 000 10.00               |
| " Peries. 4.00 â 6 00 Carnations 3 00 fancy 4.00 a 5 00 Narciseus 3.00 a 4 00 Narciseus 5.00 a 5.00 Daffodils. 4.00 Violets 5.50 a 5.00 Tulipe 3.00 Smilax 12.50 Adjantum 12.50 Adjantum 12.50 Adjantum 12.50 05.00 Roses, Beauties. 3.00 a 5 00 " Meteors. 3.00 a 5 00 " Brides, Bridesmalds. 4.00 a 10 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |
| Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |
| Fancy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |
| Romans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |
| Narciseus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lary of the valley 3 00                 |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Komans 3,000 ± 00                       |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Narciaeua 3.00                          |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Daffodila 4.00                          |
| Tulips 3.00 Smilax 12.50@15.00 Adlantum 5.00 Adlantum 5.00 Adlantum 5.00 Adlantum 5.00 Smilax 5.00 Smilax 5.00 Smilax 5.00 Smilax 5.00 Smilax 3.00@35.00 Brides Bridesmaids 4.00@10.00 " Perles 3.00@6.00 " Kaleerin 4.00@10.00 Carnations 1.00 Ulolets California 1.00 Lily of the valley 2.00 Harrish 15.00 Callas 15.00 Smilax 5.00@20.00 Smilax 5.00@20.00 Smilax 5.00@20.00 Smilax 6.00 Smilax 6.00 Smilax 6.00 Smilax 6.00 Smilax 6.00 Smilax 7.00@20.00 Smilax 7.00@20.00 Smilax 8.00@20.00 Smilax 8.00@20.00 Smilax 9.00@20.00 Smilax 9.00@20.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 10.00 Smilax 15.00@35.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Violets                                 |
| Tulips 3.00 Smilax 12.50@15.00 Adlantum 5.00 Adlantum 5.00 Adlantum 5.00 Adlantum 5.00 Smilax 5.00 Smilax 5.00 Smilax 5.00 Smilax 5.00 Smilax 3.00@35.00 Brides Bridesmaids 4.00@10.00 " Perles 3.00@6.00 " Kaleerin 4.00@10.00 Carnations 1.00 Ulolets California 1.00 Lily of the valley 2.00 Harrish 15.00 Callas 15.00 Smilax 5.00@20.00 Smilax 5.00@20.00 Smilax 5.00@20.00 Smilax 6.00 Smilax 6.00 Smilax 6.00 Smilax 6.00 Smilax 6.00 Smilax 7.00@20.00 Smilax 7.00@20.00 Smilax 8.00@20.00 Smilax 8.00@20.00 Smilax 9.00@20.00 Smilax 9.00@20.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 15.00@35.00 Smilax 10.00 Smilax 15.00@35.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Harrisii                                |
| Tullps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Callaa                                  |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tulips 3.00                             |
| Adjantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Smtlax 12.50@15.00                      |
| ST. LOUIS, April 7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Adlantum 1 00                           |
| Roses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Agneragus 50 00                         |
| Roses   Beauties   3 00@35 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |
| Meteors   3,002   10   10   10   10   10   10   10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ST. LOUIS, April 7.                     |
| Meteors   3,002   10   10   10   10   10   10   10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rosea, Beautles                         |
| "Bridea, Bridesmalda. 4,00@ 10.00 "Perles. 3,00@ 6,00 "Kaleerin. 4,00@ 10.00 Violets. California. 1,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | " Meteors 3.00@10 00                    |
| Raiserin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | " Brides, Bridesmalds 4.00@10.00        |
| " Kaleerin. 4,00@10.00 Carnations. 3,00@ 6 00 Violets. California 1,00 Lily of the valley. 2,00 Harristi 15,00 Callas 15,00 Callas 15,00 Tullpe 3,00@ 5,00 Smilax 15,00@ 20,00 Smilax 15,00@ 35,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | " Perles 3.00@ 6.00                     |
| Carnations 3,00 € 6 00 Violets, California 1,00 Lily of the valley 2,00 Harrisii 15,00 Callas 10 00 Narciseus, Romans 10 00 € 50 Narciseus, Romans 10 00 € 50 Smillax 15,00 € 20.00 Freesla 2,00 € 2,50  MILWAUKEE, April S  Roses, Beauties 5,00 € 20.00 Perle, Belde 6 00 00 00 00 00 00 00 00 00 00 00 00 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | " Kaiserin 4.00@10.00                   |
| Violets, California   1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Carnations 3 00@ 6 00                   |
| Harrisii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Violets California 1 00                 |
| Harrisii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lily of the valley 2 00                 |
| Callas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Harriali 15.00                          |
| Tullpe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |
| Narclesus. Romans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |
| Smllax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Namedana Tanana                         |
| MILWAUKEE, April 8   Roses   Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Narcissus, Romans 1 00@ 2.00            |
| MILWAUKEE, April 8.   Roses. Beauties.   5. 00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   00   3.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5      | Smilax 15.00@ 20.00                     |
| Roses   Beauties   5,006.35,00     Brides   Bridesmalds   6   006.410     Perice   Belle   4   00.26     Meteors   5   6   006.410     Carnations   4,007.45     Oliver   5   6   006.410     Romans   3   00.24     Roses   Hyacinths   3   00.26     Von Slona   Jonquilis   3   00.26     Callas   Harrisi   15   00.20     Smilax   Buffalo   April     Roses   Beauties   15   00.20     Brides   Bridesmalds   Meteors   8   00.20     Peries   5   00.26     Rajectin   Mermets   8   00.24     Carnations extra   3   00.24     Carnations extra   3   00.24     Carnations extra   3   00.24     Carnations   5   00.25     Carnations   5   00.   |                                         |
| Roses   Beauties   5,006.35,00     Brides   Bridesmalds   6   006.410     Perice   Belle   4   00.26     Meteors   5   6   006.410     Carnations   4,007.45     Oliver   5   6   006.410     Romans   3   00.24     Roses   Hyacinths   3   00.26     Von Slona   Jonquilis   3   00.26     Callas   Harrisi   15   00.20     Smilax   Buffalo   April     Roses   Beauties   15   00.20     Brides   Bridesmalds   Meteors   8   00.20     Peries   5   00.26     Rajectin   Mermets   8   00.24     Carnations extra   3   00.24     Carnations extra   3   00.24     Carnations extra   3   00.24     Carnations   5   00.25     Carnations   5   00.   | MILWAUKEE, April 8.                     |
| Brides, Bridesmalds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |
| " Perle. Belle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | " Brides Bridesmaids 6 00a 10 00        |
| " Meteors 6 00% 10 00   Carnations 4 00% 5 00   Violets 75% 1 00   Romans 3 00% 4 00   Lily of the valley 3 00% 4 00   Freeslas 3 00% 4 00   Tultps. Hyacinths 3 00% 4 00   Callas, Harrisi 12.50   Smilax 15 00% 25 00   " Brides, Bridesmalds, Meteors 8 00% 12 00   " Brides, Bridesmalds, Meteors 8 00% 12 00   " Brides, Bridesmalds, Meteors 8 00% 12 00   " Riphetos 5 00% 15 00% 10   " Raiserin, Mermets 8 00% 12 00   Carnations extra 3 00% 10 0   Lily of the valley 1 1 0 00% 15 0    Lily of the valley 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | " Perle Relle 1 00% 6 00                |
| Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | " Metpore 6 006.10 00                   |
| Violets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |
| Romans.   3 00@ 4 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |
| Lily of the valley   3,00@ 4,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pomore ".000 1 00                       |
| Freeslas. 3 00@ 4 .00 Tulips. Hyacinths. 3 00@ 4 .00 Von Slons Jonquils. 3 00@ 4 .00 Von Slons Jonquils. 3 00@ 4 .00 Callas, Harrisi 12 5 Smilax. 15 00@ 20 .00  Burdes, Bridesmalds, Meteors. 8 00@ 12 .00 Brides, Bridesmalds, Meteors. 8 0.0@ 5 .00 Brides, Bridesmalds, Meteors. 8 0.0@ 5 .00 Brides, Bridesmalds, Meteors. 8 0.0@ 12 .00 Brides, Bridesmalds, Meteors. 8 0.0@ 12 .00 Brides, Bridesmalds, Meteors. 8 0.0@ 12 .00 Carnations extra. 3 0.0@ 4 .00 Lily of the valley. 3 0.0@ 4 .00 Lily of the valley. 3 0.0@ 4 .00 Violets. 75@ 1.25 Romans. 3 0.0@ 6 .00 Harriell 10 00@ 15 .00 Smilax 15 .00@ 20 .00 Adjantum. 1.25% 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I Un of the maller                      |
| Tulipa. Hyacinths. 3 00@ 4 00 Von Slona Jonquils 3,00@ 4 00 Callas. Harristi 12,56 Smllax. 12,50 Smllax. 15 00@ 20.00  "Brides, Bridesmalds Meteors. 8 00@ 12 00  "Perles. 5,00@ 5 00  "Raleerin, Mermets. 8,00@ 12 00  "Raleerin, Mermets. 8,00@ 12 00  "Ally of the valley. 3 00@ 4 00 Ulity of the Slower of the Slow | Enty of the variey                      |
| Von Slona Jonquils   3,000 d 4 (0) Callaa, Harrisi   12,50 Smilax   15 00 cc 20,00 Smilax   15 00 cc   | Freearaa 3 0004 1.00                    |
| Callas, Harrisi     12,50       Smllax     15,00@ 20,00       Boses, Beauttes     15,00@ 75,00       Brides, Bridesmalds, Meteors     8,00@ 12,00       Perles     5,00@ 8,00       Niphetos     5,00@ 16,00       Ralserin, Mermets     8,00@ 12,00       Carnatione extra     1,50@ 2,00       Lily of the valley     3,00@ 4,00       Vlolets     75@ 1,25       Romans     3,00@ 6,00       Harrisit     10,00@ 15,00       Smilax     15,00@ 20,00       Adjantum     1,25% 1,50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tumpa. Hyacinths 3 00(a 4.00            |
| Roses, Beautles   15.00@75 00     Brides, Bridesmalds   Meteors   8 0.0@12 00     Perles   5.00@ 5.00@ 5.00     Niphetos   5.00@ 5.00     Kalserin, Mermets   8.00@12.00     Carnations extra   3 0.0@ 4.00     Ully of the valley   3 0.0@ 4.00     Violets   75@ 1.50     Romans   3 0.0@ 6.00     Harriell   10 0.0@15     Smilax   15.00@20.00     Adjantum   1.25@1.50     1.25@1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | von Siona Jonquila 3.00@ 4.00           |
| Roses, Beautles   15.00@75 00     Brides, Bridesmalds   Meteors   8 0.0@12 00     Perles   5.00@ 5.00@ 5.00     Niphetos   5.00@ 5.00     Kalserin, Mermets   8.00@12.00     Carnations extra   3 0.0@ 4.00     Ully of the valley   3 0.0@ 4.00     Violets   75@ 1.50     Romans   3 0.0@ 6.00     Harriell   10 0.0@15     Smilax   15.00@20.00     Adjantum   1.25@1.50     1.25@1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Callaa, Harrian 12.50                   |
| Roses, Beautles   15.00@75 00     Brides, Bridesmalds   Meteors   8 0.0@12 00     Perles   5.00@ 5.00@ 5.00     Niphetos   5.00@ 5.00     Kalserin, Mermets   8.00@12.00     Carnations extra   3 0.0@ 4.00     Ully of the valley   3 0.0@ 4.00     Violets   75@ 1.50     Romans   3 0.0@ 6.00     Harriell   10 0.0@15     Smilax   15.00@20.00     Adjantum   1.25@1.50     1.25@1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sm1tax                                  |
| Rosea, Beautlea   15.00% 75 00     Brides, Bridesmalds   Meteora   8 0.06 12 00     Perles   5.00   8.00     Nipletos   5.00   8.00     Kalserin, Mermets   8.00   12 00     Carnations extra   3.00   4 00     Lily of the valley   3.00   4 00     Volete   75   6 1.25     Romans   3.00   6.00     Harriel   10.00   15.00     Smilax   15.00   20.00     Adjantum   1.25   3.00   3.00     1.27   3.150   3.00     1.27   3.150   3.00     1.27   3.150   3.00     1.27   3.150   3.00     1.27   3.150   3.00     1.27   3.150   3.00     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.27   3.150     1.2   | RUFFALO April 7.                        |
| Bridea, Brideamaids, Meteora.   8 0.06/12 00     Perlea.   5 0.006 8 00     Niphetos   5 0.006 10 00     Kaleerin, Mermets.   8 0.06/12 00     Carnatione extra.   3 0.06/4 00     Ordinary   1.50/6 2 00     Lily of the valley   3 0.06/4 1.25     Romans.   3 0.06/6 1.05     Romans.   3 0.06/6 1.05     British   10 0.06/6 1.05     British   10 0.06/6 1.05     British   11 0.006/6 1.05     British   12 0.06/6 1.05     Br   | Roses, Resuttes 15.00@75.00             |
| Niphetos   5.00% 5,00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   | " Bridge Bridgemalds Metoors 8 00@12 00 |
| Niphetos   5.00% 5,00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   5.00   | " Parlue 5 00@ 2 00                     |
| Carnatione extra.         3 0 0 4 00           ordinary.         1,50 2 00           Lily of the valley.         3 00 4 00           Violete.         75 6, 1.25           Romans.         3 00 6 0.00           Harriel!         10 00 6, 50           Smilax         15 00 20 00           Adjantum.         1, 25 7 4, 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | " Ninhatos 5.00@ 6.00                   |
| Carnatione extra.         3 0 0 4 00           ordinary.         1,50 2 00           Lily of the valley.         3 00 4 00           Violete.         75 6, 1.25           Romans.         3 00 6 0.00           Harriel!         10 00 6, 50           Smilax         15 00 20 00           Adjantum.         1, 25 7 4, 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | " Kataarin Marrosta 8 00@12 00          |
| rordinary. 1,50@ 2 00 Lily of the valley. 3 10@ 4,00 Vlolets. 75@ 1,25 Romans. 3,00@ 5,00 Harrielt 10,00@ 15,00 Smilax 15,00@ 20,00 Adjantum. 1,25@ 1,50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cornetions pytre                        |
| Lilly of the valley. 3 00@ 4.00 Vlolete. 575@ 1.25 Romans. 3 00@ 5.00 Harriell 10 00@ 15.00 Smilax 15.00@ 20.00 Adjantum. 1.25% 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |
| Violete 75:6 1.25 Romans 3:00:6 6:00 Harrist 10:00:65:00 Smilax 15:00:20:00 Adjantum 1.25:6 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Tily of the maller                      |
| Romans         3,00% 6.00           Harrlell         10,00% 15,00           Smllax         15,00% 20,00           Adjantum         1,25% 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Violeta valley                          |
| Harriell     10 00@15.00       Smllax     15.00@20.00       Adlantum     1.25@ 1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Provent                                 |
| 8mllax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Numans                                  |
| Adjantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11 a fright                             |
| Augantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Smilax 15.00@20,00                      |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Adjantum 1.25@ 1.50                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Asparagus50.00@75.00                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |

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|         | CHICAGO, April 8.                         |
|---------|-------------------------------------------|
| Roses.  | Beautiesper doz. 2.00@6.00                |
| 5.6     | Brides                                    |
| **      | Meteors, Bridesmaids, Kalserin.5.00@10.00 |
| **      | Perle. Gontlers 3.00@ 6.00                |
| 63.     | La France. Testont 6.00@10.00             |
| Carnat  | dons, common 2.00@ 5 00                   |
| **      | fancy 5.00@ 7.00                          |
| Violeta | s #0@ 1.00                                |
| Narcts  | sns. Romans 3.00@ 4 00                    |
| Calias. | 8.00@10.00                                |
| Harris  | 1110 00@15.00                             |
| Lily of | ' the valley 2.00@ 3 00                   |
| Tultps  |                                           |
| Von S   | tons 3,00@ 4.00                           |
| Hyacu   | nths4.00@10.00                            |
| Adiani  | tum                                       |
| Smilaz  | t                                         |
| ASDAT   | agus50.00@75.00                           |

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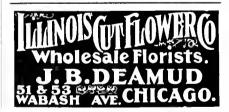
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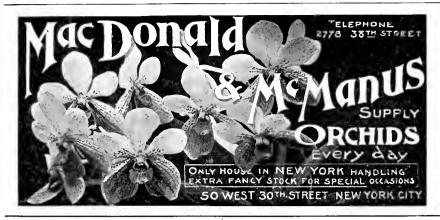
Per 100 \$1.50 1.50 1.50 1.50 1.50 ∦12.50 12.50 12.50 12.50 12.50 BRIDE BRIDESMAID PERLE METEOR AM BEAUTIES BELLE SIEBRECHT 12.50

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| Tidal Wave       |        | 0 = 7.50  |
|                  | 1.0    |           |
| Lizzie McGowan   |        | 0 = 7.50  |
| Goldfineli       | 1.0    | 0 = 7.50  |
| Mrs Thompson     |        | 0 = 7.50  |
|                  |        |           |
|                  | 1.6    |           |
|                  |        |           |
| Lizzie Gilbert   |        | 0 = 12.50 |
| Harrison's Whit. | 9 I fo | 6 - 12.50 |
|                  |        |           |
|                  |        |           |
|                  |        |           |

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| NEW YORK, April 6.                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------|
| Roses Beantles 4 00@25 00                                                                                                          |
| Roses. Beauties                                                                                                                    |
| Brides, Bridesmaids 2.00@ 8 00                                                                                                     |
| " Morgans, Meteor                                                                                                                  |
| Carnations                                                                                                                         |
| Lilles                                                                                                                             |
| Lily of the valley 1 00@ 3.00                                                                                                      |
| Daffodils, Tulips                                                                                                                  |
| Violete 25@ 75                                                                                                                     |
| Violets                                                                                                                            |
| Smilax                                                                                                                             |
|                                                                                                                                    |
| BOSTON, April 6.                                                                                                                   |
| Roses Beauties 8.00@25.00                                                                                                          |
| prumers o.uu 40.00                                                                                                                 |
| Meleor, Khiseriii 100@ 5 00                                                                                                        |
|                                                                                                                                    |
| Carnations 2.00 \$\overline{a}\$ 6 00 Lity of the valley 1.00 \$\overline{a}\$ 3.00                                                |
| Lily of the valley 1.00@ 3.00                                                                                                      |
| Violets.         50@ 75           Longitorum lilles         10.00@12.00           Tulips. Daffodlis, Mignonette         2.00@ 3.00 |
| Longidorum lilles                                                                                                                  |
| Turiba, Danodila, Mignonette 2.00@ 5.00                                                                                            |
| Spiræs, Stocks 2 00 3 4.00                                                                                                         |
| PHILADELPHIA April 6.                                                                                                              |
| Roses, Beauties select, per dozen3.00                                                                                              |
| " medium 6.00@15.00                                                                                                                |
| " Brunners16 00@35.00                                                                                                              |
| " Teas 4.00@ 12 00                                                                                                                 |
| Carnations 1 00@ 2 00                                                                                                              |
| " fancy 2 00@ 3.00                                                                                                                 |
| Lily of the valley 3 00@ 4.00                                                                                                      |
| Violets                                                                                                                            |
| Narcissus 3.00@ 4.00                                                                                                               |
| Hyscinths                                                                                                                          |
| Harrisii                                                                                                                           |
| Sweet peas                                                                                                                         |
| Smilax 12.00@15.00                                                                                                                 |
|                                                                                                                                    |



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### Canada and the San Jose Scale.

The bill intended to prevent the introduction of the San Jose scale into Canada will apply to Australasia as well as to the United States, Japan and Hawaii. The plants excepted from the embargo are: (1) Bulbs and tubers, such as lilies, hyacinths, gladioli, etc.: (2) conifers of all kinds: (3) greenhouse plants, such as palms, ferns, begonias, arateas and eacti, thut not roses, these being shut out); (4) herbaceous, bedding plants, such as geraniums, pansies, verbenas, etc.; (5) herbaceous perennials, the tops of which are winter killed.

PHIENIX NURSERY COMPANY, BLOOM-INGTON, ILL., report a fair demand in a few items, but no improvement in the general nursery and greenhouse business as compared with last year, trade having fallen off and prices dropped, the production being greater than the demand.

### HARDY

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING The Reading Nursery, READING, MASS. ESTABLISHED 1854.

Assorted in 25 Varieties.

se ection \$50 per 1000. Descriptive entalogue and price lists for the trade.

SAMUEL C. MOON, Bucks Co., PA.

# *CLEMATIS*

Large flower ng ( crie) es — Rhododendrous, Ampropsis Aziaca H. P. Roses, Tree Roses, etc. etc. 1, hos. Tuberoses, Begonius and Grovin as

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ellorticultural to, Boshoop, Holland. Rutherford, N. J.

# Jackson & Perkins Co.

Growers of Choice Specialties for Nurserymen and Florists....

NEWARK, NEW YORK.

ROSES, NOVELTIES, Strong, field-grown, dormant plants......

# THREE NEW RAMBLERS, \$1.75 per 10; \$16 per 100.

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|---------------------------|---------------------|
| Yellow Rambler (Aglaia)   | Companion roses     |
| The only hardy yellow     | to Crimson Ram-     |
| climbing rose             | bler, similar habit |
| Pink Rambler (Euphrosyne) | of growth and       |
| Clear light red           | manner of bloom-    |
| White Rambier (Thalia)    | ing, very vigor-    |
| Pure white                | ous; hardy.         |
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### LORD PENZANCE'S HYBRID SWEET BRIARS

\$1.75 per 10: \$15.00 per 100. Extra strong field-grown, dormant plants.

Varieties:
Amy Robsart-lovely deep rose. Anne of Ceierstein-dark erlmson. Brenda-malden's blush or peach Flora Milvor-pure white, blushed rose. Lady Penzance—th beautiful, soft that of copper with a penular metallic lustre. Lord Penzance—th soft shade of fawn or cerue passing to a lovely emerald yellow. Meg Merrilees, corgeons erlmson. Rose Bradwardine-beautiful clear rose.

ROSES, COMMON SORTS.

Strong, field-grown, dormant plants, \$10 per 100.

Mme. G. Bruant Mrs. John Laing Princess Adelaide, Moss Ulrich Brunner Mme. Plantier, \$5 per 100.

### TREE ROSES.

7 ft., extra fine. \$3.50 per 10; \$25 per 100. Crimson, Pink, Rose. Red, White, Yellow.

### ORNAMENTAL SHRUBS. Per 100

| Deutzins, assorted, 3 to 4 ft., \$7, WI              |
|------------------------------------------------------|
| Exochorda grandiflora, tree-shape, 3 to 4 ft,        |
| Exochorda grandiflora, 2 to 3 tt., fine              |
| Fringe, purple, 3 to 4 ft                            |
| Hydrangen Red Branched Hydrangea Thos. Hogg,         |
| strong, field-grown, dormant plants with good        |
| erowns                                               |
| Lilacs, new and old varieties, prices and sizes on   |
| application.                                         |
| Snowhall, common, 2 to 3 ft , fine                   |
| Snowball, Japan, 2 to 3 ft., tine                    |
| Snowball, Tomentosa (V. Tomentosum), 2 to 3 ft 15 00 |
| Tree Parony, Banksti, 2 yr . atrong30,00             |
| Xanthoceras Sorbifolia, a most rare and beautiful    |
| shrub is on                                          |

Complete list of unsold stock including additional Roses and Shrubs. Clematis, Ornamental Trees, Conders. Small-Fruit Plants and Fruit Trees sent upon application. A postal eard will bring it if you mention this paper.

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THE ELIZABETH NURSERY CO., ELIZARETH.

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# HERBACEOUS PLANTS.

| Anthericum Lillastrum (St. Bruno's Illy).  Lillago (St. Bernard's Illy).  Achilles, The Pearl Filipendula.  Adonts Vernails. Pyrenaica.  Anemone Japonica Alba, 24-inch pots. Elegans, 24-inch pots. Whirlwind, 24-inch pots. Pennsylvanica, 24-inch pots. Aquillegia Cœrulea 3-inch pots. Chrysantha, 3-inch pots. Canadeneis, 3-inch pots. Canadeneis, 3-inch pots. Californian hybrids, 3-inch pots. Asters (Michaelmas daistes) in 6 cnoice varieties Boitonia Asteroides. Latisquama Bocconia cordata. Calita Painstris (Marsh Marigoid).  Cassia Marilandica (American Senna). Campanula Alliarhefolia, strong clumps. Carpatibles, blue and white.                  | Per 100               |
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| fore pleno                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12 00                 |
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| Pillot, "Savarfelles, 2-pin, pots.  Sabulah (Kosea  Sabulah (Kosea  Sabulah (Aba  Divarfenin (Lundensis, 2-pin, pots.)  Popples, tecland 2-pin, pots  Orientalis, 3-in, pots  Divarded (Medida                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6.00                  |
| Subulata Alba .  Divarienta Canadensis, 29 pln. pots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 00                  |
| Popples, technid 2 pln, pots Orientalis, 3-in mots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6,00                  |
| Physiostegla Virginies<br>Plandingo Larpenie strong chumps<br>Dotenthias In ch. lee mixtue strong<br>Primula Vulsaris, English Primrose, clumps<br>Rosea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 00                  |
| Potentiling fach ice mixture, strong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5,00                  |
| Trimum Vuigniis, ringfish Primrose, clumps Rosen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.00<br>5.00          |
| Solum Agra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.190                 |
| Scabbos, Crucesslen Scabbos, Crucesslen Spilica: Ettipondula, il pl., clumps Anthony Waterer, strong l-year clumps Lobatin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | . 6 00                |
| Splica Filipendula, il pl. clumps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10 00                 |
| Anthony Waterer, strong Lyear clumps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $00.8 \pm 00.00$      |
| " Dimaria Meadow Sweet:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10 00                 |
| obuth   Umarth Meadow Sweet    Runnrenlus Aconfilfolius Plenus     Rudhecka 'todden tilow 'strong     Sintlee Latitotia strong 3-inch nots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | . 5 10                |
| " Armeth, Plumps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8 00                  |
| Armetla, clumps<br>Sylpidum Periolinium strong clumps<br>Tritona I varla Grandlilora, extra strong clump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ., S,ER7<br>181-181 и |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |
| HENDY & DOCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | n                     |

# HENRY A. DREER

714 Chestnut St., PHILADELPHIA.

### Rose Crimson Rambler.

Crimson Rambler is the greatest rose that has been introduced in modern times. It may not be hardy everywhere, though I have not heard of any place where it is not so. It is distinct in growth and in manner of blooming. The third year after planting it will make canes from eight to fifteen feet in length, and at the base will be nearly as thick as a broom handle. It blooms in clusters composed of large numbers of double flowers about the size of a double cherry blossom. It blooms only once a year, it is true, but it is a grand sight for three weeks or a month after it commences to flower. The flowers are a bright cheerful shade of crimson, and it has a very telling effect in the landscape, no matter whether the garden wherein it is planted is small or in the more pretentious pleasure grounds of the wealthy.

This grand rose has been referred to hefore as an Easter plant; this gives it additional value, though, personally, I would never have suspected that it would be considered useful for that purpose, but such it is, and in Philadelphia it will be used in large numbers this year. Messrs. Robert Craig & Son, Robert Scott & Son, and Wm. K. Harris saw a future for it and went into it heavily. There is nothing at all like it are appearanced in the source of the state of the s ing at all like it, or approaches it in effectiveness at this season of the year when well done. Some plants we saw at the Messrs. Craig's had been in bloomfor three weeks and they were still in excellent shape, showing how well adapted it is for such a purpose. No other rose that I know would remain salable so long. If I am not mistaken our good triend, Jackson Dawson, should receive the credit for showing the possibilities of this plant for use at Easter, and another good friend, Lawrence Cotter, is cutitled to the credit of taking advantage of the fact. Vellow Rambler and White Rambler are both disappointments as Easter plants.

### Saginaw, Mich.

Mr. Chas. Frueh's private office and workroom have been cularged and remodeled since my last visit and things about the place in general show marks of improvement of one sort or another.

Mr. Frueli reports a good trade all along the line; it is his opinion that the Easter of '98 will pay and pay well.

Messrs. Wm. Rothke & Sons are like-

wise sanguine as to the outlook of the Easter and spring trade. Their general stock never looked better.

Grohman Bros. are no longer experimenting with palms, that is to say, they have long since passed the experimental stage and have now reached a certainty. They find that kentias, latanias and arecas, especially the former two, thrive in the Saginaw valley as well as anywhere else on the face of the globe, and hence will continue growing these varieties.

Mr. J. B. Goetz, as usual, extended to the scribe the freedom of the houses. What I saw can be described in four Номо. words, the roses are perfect.

### Wyncote, Pa.

Whether it be in the soil or in the method of growing, the fact remains patent that Mr. Heacock's American Beautics are about as fine as any to be found on the continent. Just now they appear at their best and many an out of town florist, visiting thecity of brotherly love avails himself of the opportunity of seeing them. The sight is certainly and

attractive one. Nor are his Areca lutescens less attractive. Clean, healthy and perfect plants is what one beholds when strolling through the houses.

Mr. Heacock reports increased sales, and though somewhat conservative in his predictions, is nevertheless inclined to the belief that things will and are assuming a brighter aspect.

Polo, Ill.-The new greenhouses of Maurice Miller are completed.

### "Golden Glow" (HARDY)

Excellent for cut flower purposes in late summer. Strong plants, \$6.00 per 100; \$40.00 per 1000.

IRIS KAEMPFERI strong clumps in ten to color. \$1.00 per doz.; \$6.00 per 100.

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Florist. CHESTNUT HILL. PHILA, PA.

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Reasonable success seems to have followed the efforts of the management of the Nickel Plate Road to make it popular as a passenger line for travel East. It is regarded as a favorite by many in making the journey from Chicago to eastern resists.

Patrons of that line will be gratified to learn that arrangements have been made, effective Sun-day, March 6th, for all-passenger trains of the Nickel Plate Road to arrive at and depart from the Van Buren Street Station in Chicago.

Van Buren Street Station in Chicago.

The many advantages afforded by this Great Union Depot, located in the heart of the business portion of Chicago, and the continued advantage afforded by lower rates than over other lines, having three express trains daily, with through sleeping cars, to New York and Boston, and the advantage of superior Duning Car Service, when all considered, should show increased travel over the Nickel Plate Road.—(8)

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### THE SEED TRADE.

\* MERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-res.; S. F. Williard, Wethersfield, Conn., Sec'y

BALTIMORE, MD .- The inventory of the estate of the late John Bolgiano, seed dealer, showed that the value of stocks in the personal estate was \$114,712.

Paris.—The retail seed trade is now in the height of the season. To the satisfaction of employers and employes the orders, owing to the mild weather which we have experienced during the whole winter, came in very regularly and not in ups and downs or with too much of a rush as is usually the case when frost and snow alternate with days of fine weather. The plants growing in the fields for seed purposes seem to be in good condition. It is of course too early to predict how the roots will have behaved in the silos and it is only at planting time that we shall know the percentage of heated roots.

St. Paul.-L L. May & Co. report increased sales in all branches of their business. Store sales run from 30 to 50' cahead of last season. Some of this may be attributed to a change of location, but fully 60% of the increase is due to the improved condition of the country. Catalogue business shows an increase of 40% over last season. This trade started earlier than usual, and instead of "dropping off" has been increasing each day since February In the wholesale seed line the regular orders show about 20% increase over last season. Filling in orders are coming in very freely, while grass seed trade is opening up very good. B. F. Brown was recent caller, and reports his season's out-put of bag-filling machines as very satisfactory. The one in use here has filled nearly 3,000,000 packets since starting in November, and works to perfection.

### Court Decision About Seeds.

When the seed warehouse of D. M. Ferry & Co. was destroyed by fire January 1, 1896, there were 996 packages of seeds in the stock upon which the firm had paid \$2,350 duties. The seeds had not then been appraised, and the customs department subsequently refunded \$450. The firm asked the secretary of the treasury to refund the remaining \$1,900, claiming that as the seeds had not been appraised when destroyed, they were, constructively, in the possession of the custom house. The secretary denied the petition, and the firm brought suit in the United states court. Judge Swan held that the court had no jurisdiction—that the decision of the secretary was final. The firm took the matter to the court of appeals, and Judge Tatchas handed down decision sustaining the finding of Judge Saan

### "Fortm Variety" Lily of the Valley.

This is a most distinct improvement on the ordinary variety, judging from a test of a few paps. The paps were sent to Mesors Bassett & Washburn from Lax ton Bros., Bedford, England, by mail, with a request that they test them. They were badly dried out in transit but the results were unusual. In size and number of bells, size of foliage and length and stiffness of stalk they simply dwarfed good specimens of the common variety



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ders. In bale lots (about 225 lbs.) at Sc 

for buying a supply of fine quality at a low rate should not be neglected. All commissions, large or small, will re-ceive the same careful attention.

Grafting Wax
Trowbridge's Celebrated Grafting
Wax, the genuine article, 1 lb. bars at 19e; ½ lb. bars at 20e; ¼ lb. bars at 21e per pound. Rebates: 10 lb. lots, 5 per cent; 25 lb. lots, 10 per cent; 50 lb. lots, 10 per cent; 50 lb. lots, 10 per cent; 50 per cent; 100 lb. lots, 20 per cent.

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Juniper, below Walnut, - PHILADELPHIA.



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# Garden Seeds.

Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List is sued quarterly, mailed free to the trade only.
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Large Field-Grown Roots in all the Leading **Varieties** \$5.00 to \$7.00 per 100.

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Before ordering your Dahlla stock be sure and send for my catalogue of novelties and standards of the best punity and at the lowest prices. All stock guaranteed true to name.

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Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE.

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"ENGLISH" MELONS
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Catalogues on application.

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IMPORT ORDERS booked now for forcing Burbs, Azaleas, Lily of the Valley, etc., for fall delivery; send for terms to

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NEW YORK.

### NEW . GIANT . ESCHSCHOLTZIAS. "THE GOLDEN WEST."

New Giant Fancy Cosmos, six splendid varieties, separate, \$1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," \$1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh. \$1 per 1000 seeds; New Large Flowering Zonale Geranium, \$2.50 oz.; Ipomaca, "Heavenly Blue." \$1 oz., \$12 lb.; Laurustinus grandifforn, \$1 oz.; Zinnias, "New Curled and Crested," 50c oz.; \$5 lb.; Nasturtium Good Venture Mixture, 60c lb.; \$8 per 15 lbs.; Seaforthia elegnus (Palm) 40c per 100 seeds, \$3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERO,
Ventura-by-the-Sea, Cal.

# CLUCAS & BODDINGTON CO.

Importers and Exporters of

# Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST., NEW YORK CITY
Send for quotations on all Florists' Bulb Stock.

# **Aster Seed**

Semple's celebrated strain of Asters. Finest in the World. Mixed colors, pink, white and laven-der. Also a small quantity of pink separate.

JAMES SEMPLE,

BOX 2....

BELLEVUE, PA.

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Can profitably handle our Packages of Plant Food. Attractive, take little & & man part of the packages of Plant Food. Attractive, take little & & man part of the packages of Plant Food. Attractive, take little & & man part of the packages of Plant Food. Attractive, take little & & man part of the packages of Plant Food.

The WALKER FERTILIZER CO. Clifton Springs, N. Y.

### Catalogues Received.

Siebrecht & Son, New Rochelle, N. Y., Siebrecht & Son, New Rochelle, N. Y., plants; J. F. Wilcox, Council Bluffs, Iowa, plants; E. Y. Teas, Irvington, Ind., trees, shrubs and plants; W. L. Swan, Oyster Bay, N. Y., seeds, bulbs and plants; Lothrop & Higgins, East Bridgewater, Mass., plants; L. L. May & Co., St. Paul, Alinn., plants; Thompson's Sons, Rio Vista, Va., fruits; Barr & Sons, London, England, seeds; Sutton & Sons, Reading England seeds Reading, England, seeds.



Do not order any ferns unless you are willing to pay this price as my stock is very limited and I bave hardly enough now to carry my old stand-by

L. B. BRAGUE, Hinsdale, Mass.

When writing mention the American Florist.

# SMALL GREEN

For use with.... Stiff, wiry stems.

Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000.

HARLAN P. KELSEY.

150 Tremont Bidg., - BOSTON, MASS.

bouquet green, Moss (sphagnnm and green), Laurel Roping, Xinas Trees; everything in the green line always in stock at

H. E. HARTFORD'S, 18 Chapman Place, BOSTON.

# H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves

and Januaries, wheat Sneaves and Immortelles. New Catalogue of all FLORISTS' SUPPLIES on application. IF for the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

### Have You Seen Our Agent? A Complete

Catalogue for Florists. Send for One.

**ELLIS & POLLWORTH** MILWAUKEE, WIS.

John Conley & Son,

NH 2 AND 4 DOMINICK STREET.





# Jardinieres, Pots Pedestals



Florists' Use.

Artistic Shapes and Decorations.

WWWWWWWWW

Write us for Illustrations and Prices....

# BURLEY & TYRRELL, 42-44 Lake St., CHICAGO.

# Boston Florist Letter Co.

FLORISTS' LETTERS.

This wooden box nicety stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 % or 2-inch size, per 100, \$5.00. Script Letters, \$4. Fastener with each letter or word, Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

BRILLIANT GREEN AND BRONZE LEAVES. GALAX

For Decerating and all Florists' Designs. CHAS. H. RICKSECKER, Linville, Milchell Co., N. C.

# REED & KELLER..... Florists' Supplies

122 W. 25th St., NEW YORK CITY.



### Forcing Lilies.

John F. Kidwell & Bro., 3810 Wentworth avenue, Chicago, have succeeded in growing four crops of lilies a year in the same house, cold frames being used to place the bulbs in after potting and to store them for succession of crops. The 8th of last No-vember they commenced cutting C. Harrisii; by New Year's day the crop was all cut off, a large proportion of it just right for the Christmas holidays. January 3 the house was refilled with L. Longiflo-rum, which had up to this time been kept outside in cold frames. This house of lilies will be as near in perfect condition for Easter as it is possible to get them. March 26 very few flowers had opened, though on a large proportion of the plants the buds had turned white, and the most forward were being removed to a colder house. The plants will all be disposed of soon after Easter, and the house made ready for another lot of L. longiflorum that has been kept out in cold frames all winter, most of the time frozen, though they are now fine sturdy plants that can be flowered easily for Decoration Day. Between the time this crop is off and the time to bring Harrisii in (in the fall) for early flowering, a crop of summer lilies, L. album, L. rubrum and L. auratum are grown, making the fourth crop, and bringing in three out of the four on a holiday

This they have done for several years in succession, with only one partial failure, a year ago last Christmas, on account of the Harrisii being so badly diseased that they could not beforeed in for Christmas and got out of the way in time for the Easter crop. Other space was found for the Harrisii, and the L. longiflorum brought in about January 1, and the usual crop at Easter was produced.

J. T. A.

OSHKOSH, Wis.-A twenty acre summer park is being fitted up by the Citizens Traction Co.

Danbury, Conx.—A greenhouse belonging to Joseph H. Ives was destroyed by fire on the night of April 1. Cause, overheated furnace. Loss 8500.

TRENTON, N. J.—Died April 2, Mrs. Sarah Wainwright aged 71 wife of the veteran florist Geo. Wainwright, of Trenton, N. J. This estimable couple had trod together life's pathway nearly half a century, and brother Wainwright has the heartfelt sympathy of the large circle of triends and acquaintances gained in his solourn of over fifty years in New Jersey as a pioneer florist

BROCKTON, MASS. A new Brockton florist club has been organized, the former club having disbanded. An enthusiastic meeting was held on the evening of March 29 and others elected as follows President, I. K. French, vice president, John McFatland: secretary, W. E. Baker, Campello (reasurer, C. A. Leach; and an executive conmittee of five gentlemen. 1) was thought advisable to hold an exhibition is a fall, and a committee to make prebit wars arrangements was consti-

### Greenhouse Building.

Bro Llyn N. A Dailledouze Bros three commercial houses, each 20 (200) A. Dennsy, one commercial house, 29 0,100

Salistairy, 'dd Win II Jackson, one chrysai themum house 11x175

Providence, R. L. North Burnal Ground one conservatory 30x100



# VAN HEEMSTRA & 60. **BULB GROWERS**

SASSENHEIM, - HOLLAND.

BEFORE ordering Dutch Bulbs ask our quotations. Our stock enables us to make good offers. Address letters until May 15th to\*\*\*

W. WARNAAR, Care KNAUTH, NACHOD & KUHNE,

13 William St., NEW YORK.

### VAN ZONNEVELD BROS. & CO. SASSENHEIM. **HOLLANO**

HYACINTHS, TULIPS, CROCUS, DAFFODILS, AND OTHER BULBS. ALSO SHRUBS AND PLANTS.

THEY are strictly first-class and cheap. Special quotations for Wholesale Importers... Address all correspondence until May 15th 10.......

H. VAN ZONNEVELD

care J. W. Hampion Jr. & Co., 41 Broadway, New York

Whole roots, best assorted

named varieties, \$6.00 per 100; \$40.00 per 1000.

THE WM. H. MOON CO.,

Mention the American Florist

MORRISVILLE, PA.

OUALITY HOLLAND BULBS

LOWEST

# Jac. WEZELENBURG

SASSENHEIM, HOLLAND.

Address up to May 1 in care of KNAUTH, NACHOD & KUHNE, 13 William St., NEW YORK,

### N. Dames

\*\*\* Vanderhorst beebeek & Dames...

**BULB GROWERS** 

# Lisse and Heemstede, Holland,

is on his round trip through the United States. To spare time, we beg to send all letters and communications up to May 15, care of

Knauth Nachod & Kuhne, 13 William St., New York.

Give us the list of your wants and we will send you our lowest quotations for real good stuff.

# **GLADIOLUS BULBS**

Will's not grow your own. I can furnish a large number of balf meb bulbs, mixed colors, ery fine stock at \$1.50 per 1000. Lach thousand \$2\$ contains over 600 varieties. Lots of 5000 or more sort by express prepaid. This stock runs so argety to whate and punk that some florists said it would almost pass for. White and Light.

M. CRAWFORD, Cuyahoga Falls, O.



IMPORTERS

# JAPANESE PLANTS,

BULBS, ETC.

At lowest prices. Small orders filled from experimental garden Columbia Road Dorchester, Mass. Wholesale catalogue, 1838 Tree to the trade.

JAPANESE NURSERY,

Office: 272 Boylston St., -

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HAERENS BROS. From SAMERGAN near Ghent, Belgium

SPECIAL Growers and Exporters of Azabeas, Palms. Aramearias and other decorative plants, take plensure to inform von that their Ma. A to HALBERS is now on his animal visit through the United States. The stock he offers is immense, of lest quality and at most reasonable prices, their New Azoleas will be the lavorites of the luture. Write for price list and special ofter until May 10th.

AUGUST HAERENS CARE VANDERGRIET CO. 66 Benver St., New York City.

# FORCING RILL Bermudas and Valley.



An American Firm, paying U.S. Taxes,

Paying U. S. Custom Duties on honest invoice valuations.

Financially and otherwise supporting the U. S. Florists and other public horticultural interests,

With sixteen years experience in caring for the needs of the American Florists.

With painstaking knowledge of the best and most reliable sources of supply in every line,

With ability to inspect and intention to send out only A No. 1 stock of every class,



the opportunity of quoting prices on the

FULL LIST of your wants in Imported Bulbs and Azaleas. May we hear from you now?











Per 100 Per 1000 \$35.00 45,00 L. RUBRUM (Speciosum) Per 100 Per 1000 7-9 inch. 4.75 40.00 9-11 inch. 6.75 60.00 9-11 Inch.

LILIUM ALBUM (Speciosum) Per 100 Per 1000

6.50 55.00

### TUBEROSES

True Excelsior Pearl. "Hallock strain" First size, per 100, \$1.00; per 1000, \$7.50.

### GLOXINIAS

Per doz., 85c; per 100, \$5.00

CALADIUMS..... Fancy leaved choice bulbs, per doz., \$1.75; per 100, \$12.00

Caladium Esculentum

Addium tsculentum ('ured and sound bulbs with hive center shoots. Doz. 100 5 to 7 in. in circ. \$ .40 \$2.50 7 to 9 ... .65 .4.50 9 to 12 ... .1 00 .6.50 50c per 100 less on 7-9 inch and 9-12 in, sizes if shipped from New York.

# **GLADIOLUS XXX Florists Mixture**

### GREENHOUSE STOCK.

Asparagus Sprengerii, strong, young plants, per 100, \$5 00.

100, \$5.00.

Ficus Elastica, true, large leaf variety, 6-inch pots, 20 tuches high \$\alpha\$ 50c each.

Crimson Rambler Roses, extra tine, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00; per 100, \$15.00.

\$2.00; per 100, \$45,00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb. \$\alpha\$ 15c per lb.

Clothilde Soupert, the great pot rose, our stock is A No. 1, 2-in. \$\alpha\$ \$3,00; \$2\frac{1}{2}\$-in. \$\alpha\$ \$4,00; \$3-in. \$\alpha\$ \$6,00; \$3\frac{1}{2}\$-in. \$\alpha\$ \$4,00; \$3-in. \$\alpha\$ \$6,00; \$3\frac{1}{2}\$-in. pot plants, in named varieties, per 100, \$5,00.

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz. \$4,50; per 100, \$12,00.

For Cannas. Carnations, Chrysanthemums, send us your list; we have all kinds.

H. P. Roses, dormant, 2-year, extra fine stock \$\alpha\$ \$12,00 per 100.

Clematis, Ambeloosts Veitchi, Hollyhocks, P.co-

\$12.00 per 100. Clematis, Ampelopsis Veitchi, Hollyhocks, P.co-nies, Hydrangeas P. G., etc. we have in large quantities; write us for prices.

# VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

### St. Louis.

Owing to the bad weather recently prevailing here everything has been very quiet. Stock has about equaled demands with a little stiffer prices, owing to the closeness of Easter, and the expectation that stock will be held to some extent until the last moment. The wholesalers are endeavoring to impress shippers with the idea that nothing is to be gained by unduly holding stock, their success will appear later.

Easter prices have been issued by the St. Louis houses, they are about the same as last season, except lilies, which are quoted higher, being from 15 to 18 cents. Roses, small, \$5 to \$7, large \$6 to \$10. Carnations from 3 to 7 cents. Bulbstock is quoted comparatively low, Romans, treesias, narcissus and Von Sion from \$2 to \$4 per 100, and valley 3 to 4 cents.

Quite a nice lot of pot plants are on time; each grower having something in good shape; Andrew Meyer has a fine lot of mignonette, short bushy plants well flowered; these when worked into 7 and 8-inch pans make heautiful center pieces and sell readily.

Growers and dealers are still careless in small matters, one firm reports that out of six growers sending in plants only one had the pots cleaned; practices such as this should be stopped, and could readily he changed if the dealers called for clean pots when ordering plants. It is too early to form a correct idea of Easter trade, but the outlook, judging from preparations made is for a heavy increase in business. May it materalize.

R. F. T.

### Indianapolis.

Business has been very good; cut flowers sold well, also pot plants, and the early spring stock, such as pansies, etc., were in great demand during the warm spring

The florists have all made great preparations for Easter. They will have a good supply of blooming plants. Cinerarias, azaleas and bulbons stock predominating. Unfortunately the lily disease has proved very troublesome, some of the local florists report a loss of 50%.

The Easter prices for cut flowers will be 25 to 30% higher than last year. Good violets will be scarce. The warm weather in March brought them out too early, consequently they are now off crup.

At the monthly meeting of the Florists' Club, held April 5, Mr. Hatfield read an interesting paper on "The Influence of Light on Plant Life," which contained many pointers for the practical grower. The paper read will appear in print in the annual report of the I. S. F. A.

The flower thick is again at work; the Florists' Club has offered a reward of \$25 for the arrest of the guilty person. Thornton was elected a member of the club. After the meeting adjourned the members all had a jolly time singing the latest songs, with a cake walk and several ng dances.

The florists bowling club, lately formed, is flourishing.

OctASIC, N.J.: The Monmouth County Horncultural Society has made arrange. ments to distribute in May 2,500 diverse plants such as gerannums, fuchsias, beliotrope, coleus, etc. to the children under To years of age a the various schools in Monnowth county. The plants are to be grown for competition  $\sim$  N/B

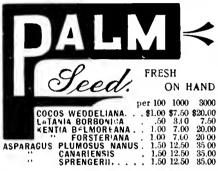
# Lutescens Areca

LARGE HEALTHY STOCK

| 3   | Plants | 6-in.  | Pot, | 24 to 32-in | . high, | very | bushy. | each | 1 | 1 00   |
|-----|--------|--------|------|-------------|---------|------|--------|------|---|--------|
|     |        |        |      |             |         |      |        |      |   |        |
| - 3 | 4.0    | 8-in.  | * 4  | 36 to 42    | 1.1     | 1.6  | 5.1    | 6.4  |   | 2.00 - |
| 3   |        | 8-in   | ••   | 42 to 48    |         | 1.0  | **     |      |   | 2.50   |
| I   |        | 10-in. | .,   | 4 to 5-ft.  | high,   | ••   | **     | **   |   | 5.00   |

ALL MEASUREMENTS FROM TOP OF POT.

JOSEPH HEAGOGK. WYNCOTE,



t. SCHILLER 404 E. 34th St..

34th St.. NEW YORK CITY.
Please mention American Florist.

# Crotons...

IN VARIETY

Rothschild, Hawkeri, Interruptom, Evansianum, Ruhra Lineata, Andreanum, Aurea Maculatum and others, suitable for hedding. Fine plants in 3-mch pots, \$2.00 per doz. New and rare varieties, 50 cents each.

Aurea Maculatum, extra fine plants in 4-in. pots, \$2.50 per doz.; \$15 per 100; 3-inch pot plants, \$2 per doz.; \$45 per 100; 1bumb pots, \$1 per doz.; \$6 per 100.

### Edwin Lonsdale,

Money Order Office, Station II, Phila.

CHESTNUT HILL, PHILA., PA.

ORCHIDS

Our Specialty. Correspondence Solicited.

LAGER & HURRELL, – Summit, N. J. Mention American Florint

The most shows semi-climber of recent introduction, strong 3 field plants now ready. Also Little Cem Collas, 2% inches. Logan Berries, Strawberry Raspberries, Mayberries, Write for list and prices.

The Conard & Jones Co. WEST GROVE.

ROBL CRAIG & SON ROBE, CRAIG & SON Roses, Palms

and Novelties in Decorative Plants.

Markel and 49th Street, PHILADELPHIA, PA. 

MOST magnificent begung and described plant known. Equal to a palm in beauty and manner of growth; grows with the ease of the Ricinus and endures drought with impunity. Plan s from 4-in, pots set out June 1st attained a height of 10 feet and though not watered once, remained fresh and vigorous throughout the extreme drought. Also produces a delicious fruit; as easily grown as a tomato. Our plants are propagated from a tree which has produced this winter 192 lbs. of fruit, the largest weighing 12 lbs. Send for half-tone illustration from photo showing bed of these plants. Every florist needs it. Price \$2.25 per 12 for 3-in, pots, ready May 1st. We are headquarters for tropical plants. Send for list.

Martin Benson, ILLINOIS. DONGOLA,

# DECORATIVE PLANTS

JOHN H. LEY, Good Hope, D. C.

Solicits early orders for following fine stock:

| NEP#ROLEPIS, D. Furcans                                                            | Each.     | Doz.          |
|------------------------------------------------------------------------------------|-----------|---------------|
| 3 t > 4 feet over, full, splendid plants<br>50 or more fronds (in pans)            | \$2.00    | \$18 00       |
| NEPHROLEPIS, D. Furcans                                                            |           |               |
| Very large, full of fronds, 3 feet over<br>(6-inch pots, fit for 8-inch)           |           | 9.00          |
| NEPHROLEPIS, Bostoniensis                                                          | 1.00      | 41 041        |
| Same sizes as above<br>Fine for hanging baskets, fronds                            | ,         | 9,00          |
| drooping 3 to 4 feet below Lomaria Gliba, 4 inch. very strong                      |           | 18,00<br>1,00 |
| Pandanus Utills, 5-Inch, very strong                                               |           | 4,00          |
| Nephrolepis Exaliata, 4-in., very strong.8<br>Ferns from fists, fine little plants | 10 00 p   |               |
| 100 in 10 sorts mailed as sample for                                               | r \$1.25. |               |

AMI. BEAUTY

I have a nice stock for early planting; 2½-in. pots. 80.00 per 100; a few 5 in., \$13.00 per 100. California Violets, extra large clumps, \$5.00 per 100, will divide up into 10 to 15 plants. Austria Cannas, strong plants of 2c.

W. W. COLES, Kokomo, Ind.

# Hydrangeas

Fine plants with 10 to 30 blooms per plant. 40 cents per bloom...

JOHN SCOTT, Keap St. Greenhouses, BROOKLYN, N. Y.

# **Rose Hill Nurseries**

L ARGLET Growers of Palms, Orchids, Stove and Greenhouse plants, Ferns, Arancarnes, Pandamis . . .

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

# RNATION

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfluch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices. Address

CHAS. CHADWICK.

Lock Box II.

GRAND RAPIDS, MICH.

# lora

AND 25 OTHER VARIETIES, LOW TO CLOSE OUT.....

GRAFTED TEA ROSES, \$15 per hundred.

H. F LITTLEFIELD, Worcester, Mass.

# 20.000 CHRYSANTHEMUMS.

2½-inch pots.

Major Boonaffon. \$2.00 per 100 or \$15.00 per 1000: President Smith, Eda Prass. \$1.50 per 100 or \$12.00 per 1000.

Ceranjums—the best mixed varieties for bedding, 3½-inch pots. showing buds. \$2.50 per 100 or \$18.00 per 1000; 2½-inch pots. \$2.00 per 100 or \$15.00 per 1000.

Cash with order or satisfactory reference.

PAXTON GREENHOUSES,

C. E. Taube, Prop.

Harrisburg, Pa.

# eraniums..

We have several thousand good bedding varieties, comprising all the principal colors, mostly double, rooted cuttings, mixed, at \$1.00 per 100.

Cash with Order.

H. B. WEAVER & BRO.,

WHEATLAND MILLS, Lanc. Co., Pa. Money order office, Lancaster, Pa.

# ROSES, VERBENAS, VIOLETS

Finest Teas and Hybrid Teas, clean, bealthy, 10 

Invariably at these prices.

Cash with Order. F. WALKER & CO.
Box 316, New Albany, Ind.

# THE MODEL



QUEENS N. V. Feb. 16. '97.
MR. THERON PARKER,
Bronklyo, N. Y., Dear Sir:—
I have tested your latest
model Carnation Support and
am free to say that I consider
it the best wire caroation
support that thave ever seeo.
It is quickly and easily applied, and think will prove
very durable, and you certainly deserve great credit
for the lovention.

Very truly yours.

C. W. WARD.

FLATHUSH, BROOKLYN,
N. Y., Feb. 18, '97
MR THERON PARKER,
Dear Sir. - Your wire stake
ls certainly a gem Without hesitating we indorse it
as ao up to-date carnation
support. - Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb. 18, 97.
MR. THERON PARKER,
Brooklyn, N. Y., Dear Shriit gives me much pleasure to
congratulate you upon your
success in getting up carnation supports. I thiuk that
those I bave had from you
are about as perfect as anybody will be able to make
them. They certainly fill my
hill for an ideal carnation
support, a thing I have been
jooking for for a long time.
Wisbing you every success
in the sale of them, I am
Yours truly, E. ASMUS.

THERON PARKER, 22 Morton St. BROOKLYN. N. Y.

Say "saw your ad. in the Florist" when you write advertisers.

# Chrysanthemum Mrs. A. F. Wienold

WE claim this to be one of the grandest early whites yet sent out. Originated with us 3 years ago and given a thorough test. It is earlier than Bergmann. Flowers 7 to 11 inches in diameter; is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2½-in. pots, 20c each; \$1.50 per doz.; \$10.00 per 100.

CAL. YIOLETS. No disease. Strong runners. 50c per 100; \$4 per 1000. McDONALD & STEELE, Crawfordsville, Ind.

# **Ghrysanthemum**

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Clevelaud Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming.  $2\frac{1}{2}$ -in. pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

"BOSS" Chrysanthemums WM. H. CHADWICK—the graudest white novelty of the season. THE YELLOW FELLOW—Winner of \$100 Stearas bicycle prize. MADELINE PRATT—"As pretty as her picture."

Distributed March 1st by leading firms and the grower...... Grove P. Rawson, Elmira, N. Y.

Price \$1.50 per 12; \$10.00 per 100; \$75.00 per 1000.

Premium-5 Red Wave with every 100 Kathleen Pantlind.

### HOPP & LEMKE,

Paul P. O., E. GRANO RAPIDS, MICH.

Is a much more substantial flower than Daybreak; color a shade or two darker and entirely rost proof. Can be seen at Vaughan, McKeller & Winterson's every Wednesday and Saturday.

# Lo Make Room

# The Morris Floral Co., MORRIS, ILL.

# STRONG ROOTED CUTTINGS.

Scotts, McGowans, Rose Queen.

per 100, \$1.00; per 1000, \$8.00. Hydrangea Otaksa, per 100, \$1.75.

Cash with order. D. Y. DANENHOWER 52nd and Woodland Ave., Philadelphia.

The Gardenia Carnation.

Plants Now Ready \* \$10,00 per 1000

JOHN BURTON,

Chestnut Hill,

PHILADELPHIA, PA.

Please mention the American Florist

# REDUCED PRICES

-Very Fine Rooted---

Taken from our "Prize" Stock.

McCOWAN ALASKA ALBERTINI HELEN KELLER ARMAZINDY DAYBREAK

\$2.00 per 100; \$15.00 per 1000.

SOUTH PARK FLORAL CO., New Castle, Ind.

# New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Em-press (Swayne), Evelina (Witterstaetter), Fire-fly (Hancock), Psyche (Hill), Panted Lady (Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

# New Chrysanthemums.

MRS. C. H. PEIRCE—Vellow.

35c each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

50c each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

### F. DORNER & SONS CO. LAFAYETTE, IND.

# NATHAN SMITH & SON

Wholesale Florists

Specialties & & & ADRIAN, MICH.

> **CHRYSANTHEMUMS** CARNATIONS & & & AND VIOLETS

· · · CORRESPONDENCE SOLICITED · ·

# SWELL YOUR BANK ACCOUNT

By growing Emily Pierson Carnations, the most profitable Red Carnation in cultivation. Clean healthy grower, large full flowers with line stem. Our house, 70x20 feet, from which we have been cutting since september, has 20,000 buds in sight to-day. We can supply line rooted cuttings at \$1.00 per 100, \$8.00 per 1000. Cash with order.

South Side Floral Co., Springfield, III.

### Worcester, Mass.

Trade has continued fairly satisfactory taking all things into due consideration, and Lent has not caused such a slump in business as was anticipated.

All good things in the flower line are fully up to the demand, and bulbous stock m pots and pans is selling reasonably well. The department store known as the Boston Store has added a conservatory to its cut flower department, and advertises to keep a full line of flowering and decorative plants on hand, at cut prices, of course.

F. A. Fisher & Son are established in their new store and have a very attractive show of plants and flowers displayed; they have a much better opportunity to make a good showing than at their old stand. One of the most interesting places the writer has visited lately is the conservatory of Hon. Stephen Salisbury, in charge of Mr. John Aulsen in this city. This place has been entirely rebuilt recently, the old houses having been torn down and replaced by structures of the most modern type.

Mr. Aulsen's specialty is begonias, and he is probably one of the best posted men in the country in this line. Mr. Aulsen is preparing a work on begonias, the nomenclature of which is very mixed and uncertain, which will be a very valuable work, and will be very complete. A. H. L.

### Sharon, Pa.

The demand for cut flowers and also for flowering plants continues fair.

Carnations have been very scarce, and though scarce have been retailed all winter cheap. Koses have been fair in quality and price; lilies scarce.

McConnell & Son will make improvements in their plant this season and add a new house.

M. 1. O'Brien contemplates building an

extensive addition.

Frank Buhl will shortly erect a fine range of houses, consisting of palm, stove, rose, carnation, fern, and two plant houses, eight or perhaps nine in all, iron structures, and will be the largest private establishment west of Pittsburg in Fennsylvania. James Clelland will take charge as gardener.

# PRICE LIST of rooted cuttings of New Carnation

# GENESEE

| 1   | doz: | n or | up, prepaid | by ma  | il or ex | ress                                    | <b>\$ 135</b> |     |      |
|-----|------|------|-------------|--------|----------|-----------------------------------------|---------------|-----|------|
|     | 25 0 | r up | (to 100) "  |        |          |                                         | 10.00         | per | 100  |
|     | 100  | 4.4  | purchaser   | gaying | charges  | • • • • • • • • • • • • • • • • • • • • | . 8 00        | rer | 101  |
| :   | 250  | FI   | 6.4         | +4     |          | *************************************** |               |     |      |
|     | 500  | 4.5  | **          | **     | 4.4      | *************************************** | . 675         | per | 100  |
| 1,0 | 000  | 4.6  | 11          | 4.4    |          | •••••                                   | 65.00         | per | 1000 |

Descriptive illustrated and priced circular free,

Sales Agent, DAN'L B. LONG, Buffalo, N. Y.

### CARNATION

It sells because there is nothing in sight to at all equal it. It speaks for itself where-

ever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send a once and get the best stock ever offered \$5.00 per 100; \$40.00 per 1000.

Our trade list is issued. If you have not received one send for it.

E. G. HILL & CO., Richmond, Ind. 

TRY A FEW OF A A THE NEW CARNATION

\$2.00 per doz.....\$10.00 per hundred......\$75.00 per 1000.

### PINGREE MAYOR

\$5.00 per 100 4 4 \$40.00 per 1000

JOHN BREITMEYER & SONS, Mt. Clemens, Mich.

# **Keep Your Promise!**

You promised yourself that you would buy better varieties of CARNATIONS because you found that poor varieties did not pay you. Send for list and see for yourself

### **NEW CARNATION....**

The largest, bright rich crimson yet introduced

**Empress** 

# 

# Carnations Chrvsanthemums

NEW AND STANDARD VARIETIES

n brice the lead-1897 as well as the

H. WEBER & SONS, Oakland, Md.

### M. M. T. T. T. CARNATION ARGY

A few left at the following price 4 4 \$10.00 per 100; \$75,00 per 4000 ....

STOLLERY BROS. CHICACO, ILL.

# Experiences ... WITH ... CARNATIONS The next number ready March I, will be cultural as well as descriptive, and send free to all applicants, I. Guarantee all cultings sent out and offer a Special Guarantee to all buyers of Finra Hill and Triumph. ALBERT M. HERR, .... LANCASTER, PA.

.... LANCASTER, PA.  erene er THE BEST OF THE NEW PINK **CARNATIONS** 

# Mrs. Frances

A WINNER LYLRYWHERE

\$2.00 per dozen. \$10.00 per 100, \$75.00 per 1000. Cash with order.

C. BESOLD, Mineola, L. I., N. Y.

<sup>M</sup>recercececececececece

April Offer.

Coleus Asst. and Centaurea Gymnocarpa.... 2.00 Geraniums, 16 Var., 21/2-in. pots, \$2.50; 3-in.. 3.75 Geraniums, 4-in. pots and Marguerites (Paris Daisy)..... 5.00 Pansy plants from cold frames and Smilax .... 1.00 CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Special Certificate of Merit.

best selling, most floriferous and dwarfed Geraniums ever introduced ..

-FOR SALE BY

HENRY A. DREER, Philadelphia, Pa.
F. R. PIERSON CO., Tarrytown, N. Y.
J. C. VAUCHAN, Chicago, III.
COTTACE CARDENS, New York. ND THE INTRODUCER

HENRY EICHHOLZ, - Waynesboro, Pa.

FRANKLIN CO.

### ROOTED CUTTINGS

COIED CUIINGS

Colens in ten best varieties including Golden Bedder,
75c per 100; Helbotropes, Feverfew, Petunias, Double
Alyssum. Glant Parls Dalsles, Mammoth Verbenss,
ten distinct varieties, 81:50 per 100; Chrysanthemums,
Queen of the Earlies, Barbara Forbes, Dallied uze,
Golden Tropby, Miss Johnson, M. Henderson, Modesto,
Indiana, Mrs. Perrin, Mrs. Murdock, Sunderbruch,
Lady Playfair, Maythower, &c. \$2:00 per 100. Discount
of 20 per cent, on orders of 500 or more at one time; all
well rooted. Address

ROSEMONT GARDENS, Montgomery, Ala.

# Alternanthera. ROOTED CUTTINGS.

Fine stock P. major and A. nana 90c per 100; \$6.00 per 1000. Ready April 15.

HOFFMEYER, Box 31, Carnegie, Pa.

### Rooted Cuttings Well Rooted ...

Searlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alhambra, Golden Crown, Midnight, Salvater, John Goode, Nigger, 15c ber doz.: 75c ber 100° 85 aonn Goode, Nigger, 15c per doz.; 75c per 100; \$5 per 1000; express paid.

S. T. DANLEY, Macomb, III.

# DO QUEENS. L. I - DO O Specialties in CARNATIONS, CHRYSANTHEMUMS. CHOORS. GERADIUMS, DAHLIAS. SEND FOR OUR PRICE LIST

PANSIES
THE JENNINGS STRAIN.

THEY ARE GRAND.
Fine stocky plants in bud and bloom, \$10 and \$15 per 100 by express; small plants, 750 by mail. Pansy seed, \$1.00 per pkt. Aster seed, Semple's pink, \$1 00 per oz. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CONN.

Crower of the Finest Pansies.

# THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many fureign houses as well as in America.

PRICE IS CENTS POSTPAID. AMERICAN FLORIST CO., 322 Dearborn St., Chicag o

### THE CHOICEST VARIETIES 100,000 **VERBENAS**. IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

### wwVERBENAS.ww

The finest collection in America, 35 varieties, ne mess collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass. Strong rooted cuttings, 60c per hundred: \$5.00 per thousand; five thousand, \$20.00. New Yellow Marguerite finest variety, strong 2-in. pot plants, 3c; rooted cuttings, 2c.

STRICTLY CASH WITH ORDER. SOUTH SIDE FLORAL CO., Springfield, III.

# **West Islip Greenhouses**

Rooted Runners, \$4 per 1000. Cash with order.

E. B. SUTTON, Jr. P.O. Address.... BABYLON, N.Y.

### MAMMOTH VERBENAS

Fine selected stock in separate colors. Rooted cuttings, per 100, 75c; per 1000, \$6.00. Cash with order.

FRANK S. PAYNE, Barnard Crossing, N. Y.

# **PANSIES**

Poefier's Prize Pansies; extra fine stock plants from cold frames, in bud and bloom; transplanted in September; plants measure from 2 to 4 inches in diameter; by express \$1.50 per 100; \$12.00 per 1000; medium size plants transplanted in October, 75c per 100; \$5.00 per 1000. Cash with order; sample plants 6 ets.

### PETER BROWN, Lancaster, Pa.

PANSIES WE grow over a million from the choicest seeds of Bugnot, Cassier, transplanted last November in cold frames: large plants now ready to bloom, 60c per 100; \$4.00 per 1000; Donble Golden Dwarf Marguerite Cuttings.

WHITTON & SONS, Wholesale Florists, City and Creen Sts., UTICA, N. Y.

\$1.00 per 100,

# FAXON'S "WHITE PANSIES.

The best mixture in cultivation, flowers very rge, thick and velvety; of superb colors and arkings. The perfection of form and texture. large, thick

In Trade Packets at \$1.00 each. M. B. FAXON,

Lock Box 1528, BOSTON, MASS Correspondence solicited.

# ECIALTIE

IN BEST VARIETIES. ROSES, from 3-Inch pots.

CARNATIONS, for fail delivery

CHRYSANTHEMUMS. SMILAX. VIOLETS. Prices low. Send for list. WOOD BROTHERS, FISHKILL, N.Y.

If corresponding with an advertiser at any time, say "saw your ad. in the Ameri-CAN FLORIST."

# CLEMATIS Jackmanni, Henryli doz. 100 and others......\$3.00 \$20.00 H. P. Roses Strong, 2 and 3 years own roots.

F. A. BALLER, Bloomington, III.

### KLONDIKE

Cold Fields at Your Door.

COLEUS—All kinds, all grades and all prices. Verschaffeltil and Queen. 75c per 100: \$6.00 per 1000; 29c-inch pots, \$15.00 per 1000; \$1.75 per 100. Coleus in variety, 55c per 100: \$4.50 per 1000; \$2.60 per 1000; \$2.60 per 1000; \$3.00 per 1000; \$1.50 per 100. Agerstum dwarf blue. 63c per 100; \$3.00 per 1000. Puchalsa, atandard sorts, \$12.00 per 1000; \$3.50 per 100. Anthemis Coronaria. Golden Marguerite, \$1.50 per 100. Anthemis Coronaria. Golden Marguerite, \$1.50 per 100. \$12.00 per 1000; \$1.50 per 100. \$12.00 per 1000; \$1.50 per 100; \$12.00 per 1000; \$1.50 per 100; \$1.50

J. E. FELTHOUSEN, Schenectady, N. Y.

# **CARNATIONS** AND COLEUS

# ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.
ROOTED COLEUS in variety.
Cood stock only. Price list free.

DAN'L B. LONG, Growers' Agent, BUFFALO.

### 5,000 SMILAX...

From flats, by mall, 50c ner 100 \$4 00 per 1000 From 2-Inch pota, \$2.25 per 100 \$13 00 per 1000 Geraniums from 2-Inch pot., \$2.25 per 100; \$20,00 per 1000. Cash with the order. Send for samples. Fred Boerner, \* APE MAY CITY, N. J.

# Marie Louise Violet Runner*s*

Good plants, healthy stock, \$5.00 per 1000.

A. WASHBURN & SON BLOOMINGTON, ILL.

# LETTUCE AND OTHER ... **VEGETABLE PLANTS**

LETTFICE-Blg Boston, Boston Market, Tennts Bull, Grand Rapids and Reichner's Forcing. 15 cts. per 100; \$1.00 per 100.

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. Lacts, per 100; \$1.00 per 1001. Pepper and Egg Plants—25 ets. per 100; \$2.100 per 1000.

CAULIFLOWER. Snowball—35 cts per 100; \$2.50 per 1000; If by mail add 10 cts. per 100 for small plants, and 50 cts, per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

### Rose Queries.

LEAFLESS AMERICAN BEAUTY CUTTINGS.

ED. AM. FLORIST:-What would you advise doing with American Beauty cuttings that have lost foliage in cutting bench from black spot? Some of them are J. E. C. rooted.

It would hardly pay to try to do anything at all with such cuttings, as in all probability it would mean just so much time and labor lost; occasionally such plants recover and do fairly well, but more often they are ruined irretrievably. ROBT. SIMPSON.

BONE MEAL AND HEN MANUREIN ROSESOIL.

ED. AM. FLORIST:-Please let us know through the American Florist how much bone meal to use in rose soil for benches of a house 20x100 feet, and when it should be mixed in the soil. State also quantity of hen manner another house of the same size.

G. Bros. quantity of hen manure required for

From 100 to 125 pounds of bone meal (pure) is a fair allowance for a house of the above dimensions. Some growers mix it through the compost heap when turning in the early spring, and if the bone is at all coarse this is the best method to adopt as more time is given for decomposition. When ground very fine it is almost as light as air-slaked lime and if used outdoors much might be carried away with the wind, on that account it is more convenient and probably equally effective if scattered over the soil on the benches and mixed through

immediately before planting.
Have never mixed hen manure with soil for roses, though 1 have frequently used it in the form of liquid manure; have had a little experience with it in carnation soil and the results were very satisfactory. We used it at about the rate of two flour barrels to a house 20x100 feet, first running it through a three-quarter inch screen, then spread it over the surface of the benches and worked it in by hand. Would not advise a heavier dose for roses. ROBT. SIMPSON.

### MARKECHAL MEL NOT BLOOMING.

ED. AM. FLORIST:-Would you kindly tell me through the columns of your paper the cause of the Marechal Niel rose not blooming, or what to do to make it bloom. It is a good thrifty bush, has good place in rose house, is five years old

# FINE ROSE STOCK

In 2 and 3-inch Pots.

Write for preses of kinds I in want.

12 Be a Variety's of Carnations III 2-inch pots and top ant eat. Write for prices. Send 50c for any est. I are: 8 max in 2-inch pots.

GEO, A. KUHL, Pekin, III.

# ROSES OWN ROOTS ADDRESS DORMANT AND

FIELD GROWN

IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feet, cut back to 2 feet Yellow Rambler (Aglaia) Hybrid Perpetuals, Mosses, Hardy Climbers and Madam Plantier

 $\tau(\mathbf{d}) = r(\mathbf{b}) \cdot \mathbf{J}_r(\mathbf{c}) + d$ 

W. F. HEIKES, Manager,

1308-1310 Unity Bldg., - (INCAGO, ILLS.

and has only once or twice produced a few buds. It was cut away back several times and made new growth again but failed to bloom. Nearly all the roots were cut away, but the plant grows just J. W. as fast.

One or more questions similar to the above have been answered quite recently in the columns of this paper, and I think very little can be added to those replies now that will be of special value in this particular case.

J. W. may not be aware of the fact that Marcehal Neil, like all other roses of its class must be treated entirely different from the ever-blooming tea section. Plant a Marechal Neil on a bench with tea roses, and give it the same liberal treatment, and you will be rewarded with fine growth and foliage, but like the barren fig tree there will be "nothing but leaves." In a general sense the culture recommended for the hybrid perpetual class will answer for this rose also with this difference, that while the former are pruned back hard once a year the latter re-

anires comparatively little pruningmerely taking the ends off the strong shoots and trimming away the small brushy wood. Maturing the growth and ripening the canes is the all important feature. If nature's plan can not be copied under glass, as would seem improbable in this case, we must use artificial means. When the plant stops growing in the summer commence by admitting all the air you can without injuring other plants in the house and withhold water at the root-give only enough to prevent shriveling for about six or seven weeks, then prime and start into growth.

ROBT. SIMPSON.

WEST CHICAGO, ILL.—Anthony Warnemont will commence building a new greenhouse early in April.

SAN DIEGO, CAL.—March 23 a steamer brought up nineteen boxes of rare plants from isolated portions of the Lower California peninsula, consigned to an eastern institution. They were gathered by C. A. Purpus, a botanist.

# SCOTT'S ROSES!

# AMERICAN BEAUTY

Now ready to ship. Plants from 21;-inch pots. .....\$6.00 per 100; \$50.00 per 1000.

ULRICH BRUNNER. Strong plants of hard wooded cuttings, from 22g-inch pots, \$1.00 per 100; \$35.00 per 1000. This is gilt edged stock, and has a reputation of its own. Last year we could have sold 10,000 plants after our stock was sold. Sample for 10 cents.

BRIDE, BRIDESMAID, PERLE DES JARDINS, METEOR and CARNOT, from  $2^{4}e^{-in}$ , pots. Write for

NEW DWARF CANNA GLORIOSA, without exception the most useful and beautiful Canna yet in-troduced. Plants, from 3-in. pots, \$2.00 per doz.; \$12.50 per 100.

CANNA FLAMINGO, dormant roots, \$8.00 per 100. CANNA PAUL MARQUANT, dormant roots, \$2.00 per 100; \$15.00 per 1000.

CANNA CHAS. HENDERSON, dormant roots, \$2.00 per 100; \$15.00 per 1000.

ORDER NOW

# ROBT. SCOTT & SON,

19TH AND CATHERINE STS.,

PHILADELPHIA, PA.

### Roses! Roses! **Roses!**

Lytra fine selected stock of all the leading varietie

Bride, Bridesmaid, Catherine Mermet, Madame Hoste, Mrs. Pierpont Morgan, Perle des Jardins, Meteor, at \$5.00 per 100. La France, Kaiserin Augusta Victoria, Mrs. W. C. Whitney, Souvenir de Wootton, Madame Caroline Testout and Pres. Carnot at \$5.50 per 100. Clara Watson and American Beauty at \$8.00 per 100. 4.4.4.4.4

WRITE FOR SPECIAL PRICES FOR LARCE QUANTITIES.

JOHN N. MAY,

Summit, New Jersey.

# ROSES...

PERLES METEORS BRIDESMAID

- Pots = 100 - Pots = 100 - 21<sub>2</sub> - ₹2 50 - 3 - ₹3 50

Guaranteed first-class. Stock grown in low temperature.

THE E. HIPPARD CO., Youngstown, Ohio.

# 300,000 YOUNG ROSES 300,000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb Wootton, Pres Carnot and 100 other leaders in Feas, II. Teas and Climbers. Moon Vines, \$2.50 per 100.

Send for prices

The National Plant Company, Dayton, Ohio.

# NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from Dy-inch pots, \$25,00 per 100 in lots less than 1000; \$255,00 per 1000. Orders booked now, delivery March 15, 1898, Correspondence solicited. Address

H. WEBER & SONS, Oakland, Md.

### THE FINE NEW BEDDERS

PRESIDENT McKINLEY, PRESIDENT CLEVELAND, DEFENDER, TARRYTOWN.

At 60 cts. each; \$5 00 per dozen; \$40.00 per 100 from 4-inch pots.

MRS. FAIRMAN ROGERS ......4-inch Pots, \$12.00 per 100. MLLE. BERAT......4-inch Pots, \$15.00 per 100. ROBERT CHRISTIE......4-inch Pots, \$20.00 per 100.

# Also a Fine Stock of Strong Dormant Bulbs.

Queen Charlotte, Mme. Crozy, Florence Vaughan, Egandale, Ami Pichon,

At \$2.50 per 100; \$20.00 per 1000.

M. Mesnier, L. E. Bally, Midway, Admiral Avellan, Prest. Carnot, J. C. Vaughan,

\$3.00 per 100.

ELDORADO, Alex. Billard, Burbank, Count de Bouchard, Souv. de Prest. Carnot,

\$4.00 per 100; \$35.00 per 1000.

Souv. d'Antoine Crozy, Papa, John White,

\$5.00 per 100; \$40.00 per 1000.

SPECIAL OFFER:

1000 Fine Bulbs in 10 named sorts, \$15 00 Cash.

Strictly our selection of sorts.

THE COTTAGE GARDENS, Queens, N.Y.

# NNAS NEW AMERICAN Finest in the World Our Novellies for 1898

DUKE OF MARLBORO, darkest crimson Per 100
DUCHESS OF MARLBORD, only pure pink. 30.00
DUCHESS OF MARLBORD, only pure pink. 30.00
DUCHESS OF MARLBORD, only pure pink. 30.00
LORRAINE, pink, edged white, fine. 30.00
MAIDENS BLUSH, delicate flesh color 55.00
GUDEN PEARL, yellow, nearly double 30.00
CUB4 finest and largest gilt edged. 40.00
CUB4 finest and largest gilt edged. 40.00
CUBA MPION, very dwarf, March delivery 12.50
PHILADELPHIA, glowing crimson 55.00 each
KLCNOIKE, only large pure orange \$2.50
Send for complete list of 50 novelties and 200
standard varieties at lowest prices.

### OUR CANNAS IN FRANCE.

OUR CANNAC

To Messra A. Blanc & Co.
Your new cannas of last year gave me much
satisfaction. Please send me a complete set or
your neweltles for 1838 as soon as ready. Also 12
Glant Crimson, etc. Signed CH MOLIN,
Lyon France, Jan. 3, 1838.

### PARAGUS SPRENGERI

Fine plants in 6-loch pots, ready for 8-inch, \$5 per 12.

### AMARYLLIS....

Veitch's Hybrids, \$4 per 12; Equestra, \$4 per 100; Formosissima, \$3 per 100.

LLAS
Spotted Leaf. \$3; Black, \$5; Yellow, \$30;
all per 100. Golden, \$2 each.

### DAHLIAS

11 prizes out of 22 at the last Dabila exhibition. First prize Dabila, GILT EDGE, \$15 per 100 Send for special list.

A. BLANC & CO., Philadelphia, Pa,

BS For FLORISTS...

VAN ZANTEN BROTHERS.

HILLEGOM, HOLLAND. m. C. Smith



WHOLESALE FLORIST



NO. 40 SOUTH 16TH STREET

PHILADELPHIA

Consignments Solicited.

Unsurpassed Shipping Facilities.

Long Distance Phone.

Please Mention The American Florist.

### Milwaukee.

While trade has not been heavy during the week, it has had the effect of creating that impression from the fact that roses and carnations have been scarce; the indications are that all flowers will hold out the demand over Easter, excepting carnations and potted lilies.

There have been a few decorations here this week which have won considerable praise, the principal effects of which weer produced by large branches of Forsythia suspensa and Spiræa Van Houttei in full bloom, a few sprays of light colored asparagus vine and an undergrowth of bulb flowers, occasionally dentzia has been used, also lilac. Roses were "not in it.

There has been some animated gossip lately about wholesale dealers supplying direct to the retail trade.

Some of our florists have discovered that the best place to look for stock when they run out is to send to some of the fakirs; they most always have the stock below wholesale rates, so we are told.

W. A. Kennedy, of Lake Forest, Ill., has leased the Deuster greenhouses for a term of three years at \$1000 per annum.

W. G. Schucht has left the Espenhein Dry Goods Co. and started a florist store on Ogden avenue near Franklin street.

Fred. Schmeling has secured the contracts for furnishing the plants required for the city parks.

A. Billings, of Cudahy, is the lily king this season. They are longiflorums. They will make his pocket book long also. C. B. W.

Los Angeles, Cal. - The California Fruit Growers' Convention will be held here April 11 and 12, and at Riverside April 14 and 15. It will be under the auspices of the State Board of Horticult-

# Scollav

INDISPENSABLE

J. A Scollay, Maker, R Myrtle Ave. Brooklyn, N. Y.



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BOTTOM PRICES.

VAUGHAN'S SEED STORE,

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For Plants, Palms and Flowers

A Wonderful Preparation for the Promotion of Plant Life, Des-truction of Insects and Scale,......

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FIBRE CO. ton, F. O. B. at Salem, Mass. at \$9.00 per

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Everybody is more pleased if you say "saw your ad, in the American Florist" when writing.



Mention the American Florist when writing to advertisers on this page.

# 

### Cincinnati.

Trade conditions during the past week were after all much better than we anticipated at last report, and but little stuff

went to waste.

The Sixth street flower market was well stocked last Saturday with choice plants of every description; flowering plants moved better than any of the previous weeks, but prices ruled rather low. Messrs. George and Allen brought in the first sweet peas last week which are excellent and find a ready sale.

April 4 we had the worst spell of weather of the season, the thermometer registered twenty above zero on the morning of the 5th with one inch of snow

on the ground.

Early fruit all through this part of

Ohio has been greatly injured.

Mr. Walter Gray, of College Hill, auctioned off his surplus stock of bulbs, flowering and foliage plants at the auction house of Ezekiel & Co. on Main street, April 6.
The regular

The regular monthly meeting and flower show of the Cincinnati Florists' Society will be held the third Saturday of this month April 16, instead of the second, as heretofore. A full attendance is H. SCHWARZ. expected.

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Very Strong, Light, Neat and Attractive

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OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Foro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned, Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

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FERN PANS and

AZALEA POTS...



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Standard 34 34 FLOWER

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Station M, N. E.

WASHINGTON, D. C.

### of GLASS

SEND FOR IT.

John Lucas & Co.

PHILADELPIA.

### St. Paul.

Trade is quite brisk and is growing better each day. All stock is in good demand, the greatest call being for carnations, roses and violets, in the order named. The supply is about equal to the demand, though several shipments from Chicago and Milwaukee were noted last week. Bulbous stock is somewhat scarce owing to the bulk of the stock being held for Easter trade. Funeral work which has been rather slack for a few weeks is again in good demand. Shipping orders are coming in rapidly and all stock is being disposed of to good advantage.

The outlook for Easter is exceptionally good. Inquiries are numerous and orders already booked are of good size. There is a fair supply of good stock. Lilies are is a fair supply of good stock. Thies are somewhat scarce, owing to the disease, good sales during the winter months, and a smaller number being planted. There is also a short supply of good azaleas. Growers should make a note of these items when laying in next season's supplies. There is plenty of bulbous stock, such as tulips, hyacinths, narcissus, etc., all of which come in handy for assorted boxes. Smilax is scarce; the wild southern article will most likely be used in church decorating more than formerly.

Retail prices for Easter are quoted as follows: Roses, \$1.50 to \$2.50 per dozen; carnations, 75 cents to \$1; cut lilies, \$3; valley, tulips, etc., 75 cents; violets, \$2 to \$3 per 100. In the plant line Harrisii are held at 20 to 25 cents per bloom. Azaleas twelve inch heads \$1.50 and upwards. There is a good church plant in Spiraea compacta multiflora, and those who have not grown this beautiful plant should lay in a supply another season. Its first cost is small 8 to 10 cents at the outside in small quantities, while a well grown plant will sell readily at 75 cents We notice in our travels one lot of hydrangeas in 9 inch pcts that would be very hard to beat, They were imported plants last fall, strong heavy roots and showing large clusters of bloom. This is another most profitable plant, and if well grown, will sell as well as in years gone by. The plant and flower buying community are not clamoring for novelties as much as some of our friends would make us believe. What they do want and will buy is superior grown stock.

The drummers have been coming our way of late, the arrivals since my last report being H. C. Sim, of H. A. Dreer Co., B. F. Brown, of Fitchburg, Mass., F. Baggerly, of Hennecke & Co., Milwankee, the genial representative of A. H. Hews & Co. and Mr. Van Zanten, of Lisse, Holland.

The heaviest snow storm of the season came on Sunday last. Some glass was broken by the immense weight of snow. FLUIS.

### New Haven, Conn.

One of the large department stores here spread itself this week during its Easter opening by the display of a large artificial latania in its window. The plant was entirely decorative, not being offered for sale, and as it was placed in close prox unity to the sidewalk, the deception was The firm a matter of public comment. sayed a portion of a dollar by the subter

In direct contradiction of methods must he noted the outlay made by several other local drygoods houses for flowers and plants during opening week. One house

used one hundred palms to render attractive to patrons its place of business, while others spent large amounts on cut flowers which were presented to their customers.

Small flowering plants are much in vogue, and naturally take precedence over cut flowers in the matter of expense. Lilies are scarce here as everywhere. Azaleas are in plenty.

W. H. Long has moved from Church to Chapel street. Increase of trade made the change to more commodious quarters necessary, and now Mr. Long has one of the nicest flower stores in the city.

J. A. P.





For Greenhouses, Gardens and Lawns in liberal quantities, every hour of the year, whether the wind & blows or not & & & & &

# Improved Rider Hot Air Pump Improved Ericsson Hot Air Pump

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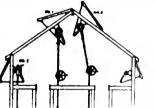
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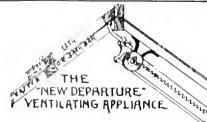
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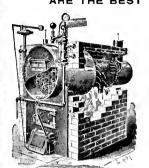
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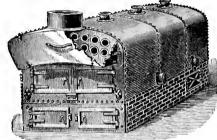
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# Butted Glass.

# Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fnel. It lasts longer, looks betterand costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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Write for Circulars or Estimates,

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# Wheeler-Stenzel Co.

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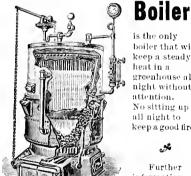
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is the only boiler that will keep a steady heat in a greenhouse all night without attention. No sitting up all night to keep a good fire

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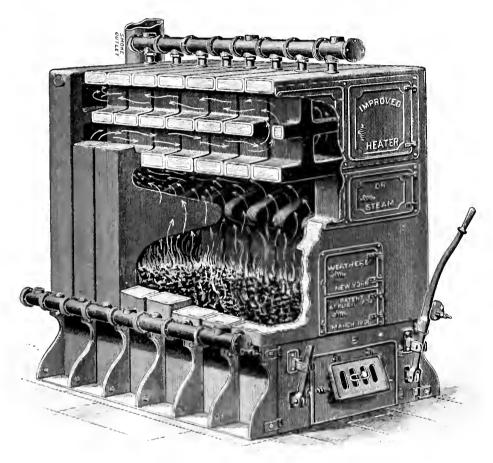
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# Improved Sectional Heater



SECTIONAL VIEW

# Below will be found a few of the points claimed for this boiler:

Simplicity of Construction.
Sectional headers to correspond to each section of boiler,
Sectional ash pit to correspond to each section of boiler,
Maximum amount of vertical circulation of water,
Minimum amount of friction.

The heating surfaces in fire box are so arranged that the hot gases must strike every part before entering combustion chamber.

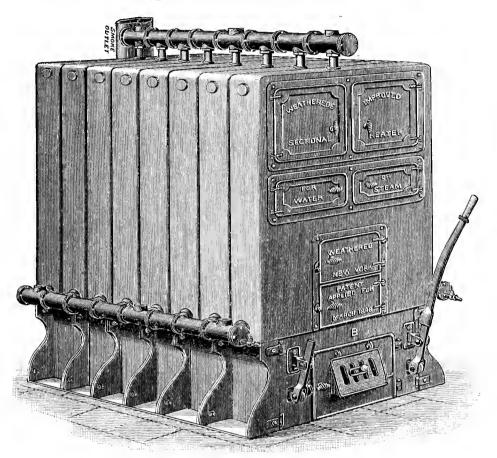
ount of vertical circulation of water.

Unit of friction.

Maximum amount of heating surface exposed to the direct action of the fire in a given space.

# For Hot Water or Steam

PATENT APPLIED FOR MARCH 1898.



OUTSIDE VIEW

Sectional boilers are now an established feature in greenhouse heating but there are many on the market that are sectional in name only and when put together a section cannot be repaired or replaced without disturbing many other sections, or disconnecting the headers.

This boiler has been designed to make the taking out and replacing a section a very simple matter. As will be seen by the cuts it is only necessary to take out the bolts in flanges—the section can then be pulled out. The sections are constructed in one piece and there are no joints within the boiler.

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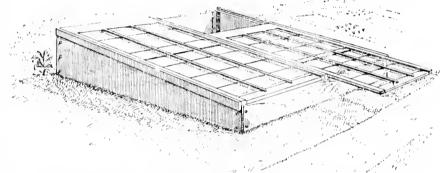
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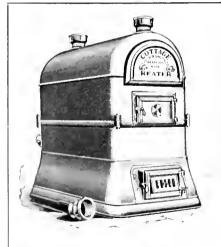
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It howers the vitality of your stock, but write for particulars of my tempering Apparatus.

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# THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XIII.

CHICAGO AND NEW YORK, APRIL 16, 1898.

No. 515.

### THE AMERICAN FLORIST

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# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OKNAMENTAL HORITODIORISIS.

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### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia, February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

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Annual meeting at Omaha, Neb., Angust, 1898.
ELMER D. SMITH, Adrian, Mich., secretary.

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|                                                                                   |       |      |      |     |     |
| Fred'k W. Tay'or's wedding                                                        |       |      |      |     |     |
| Exacum atline (illus.).  New York  Chrysanthemum notes                            |       |      |      |     |     |
| New York                                                                          |       | ٠.   |      |     |     |
| Chrysanthemon noles                                                               |       |      |      |     |     |
| Philadelphia                                                                      |       |      | : :  |     | Ċ   |
| Philadelphia                                                                      | Hus   |      | •    |     | ٠   |
| Poston                                                                            |       | .,   |      | •   | •   |
| Boston<br>Asparagus Sprengerii                                                    |       | •    | • •  | •   | ٠   |
| Steam and hot water heating par                                                   | 0.31  | l (i | Hai  | . 1 |     |
| Objects                                                                           |       | ٠,   |      | ,   |     |
| Omanantal ladding part V (illa                                                    | 15.3  | ٠.   |      | ٠   | ٠   |
| Chicago.<br>Ornamental bedding part V. (ill)<br>Hints on prize lists for dahlia's | has   |      | •    | ٠   | •   |
| HIRES Off Differ Tists for standia s                                              | ,,,,, | 1 17 |      |     |     |
| Impatience of Job                                                                 |       |      | ٠.   | •   | ٠   |
| Plant food in jadoo nore and rid                                                  |       |      |      | •   | ٠   |
| Trans-Mississipi exposition note                                                  | ٠.    |      |      | ٠   | ٠   |
| Greenhouse building                                                               |       |      |      |     |     |
| Hybrid roses                                                                      |       |      |      |     |     |
| Cînciunati                                                                        |       |      |      |     | ٠   |
| Providence, R. L                                                                  |       |      |      |     |     |
| New Orleans                                                                       |       |      |      |     |     |
| Nursery trade                                                                     |       |      |      |     |     |
| A drummer's twaddle                                                               |       |      |      |     |     |
| New Bedford, Mass                                                                 |       |      |      |     |     |
| St. Paul                                                                          |       |      |      |     |     |
| St. Paul                                                                          |       |      |      |     |     |
| Worcester, Mass                                                                   |       |      |      |     |     |
| Syraeuse, N. Y                                                                    |       |      |      | Ċ   | Ċ   |
| Pittsburg.                                                                        |       |      |      | Ċ   | Ċ   |
| Pittsburg                                                                         |       |      |      |     |     |
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Sandusky, O.—The death is announced of Henry Matern, April 10, at the family home on W. Washington street, where he conducted a general greenhouse business. Mr. Matern was a native of Weilburg, Germany. He came to this country in 1849, was over seventy years of age, and leaves besides a wife, one son and six daughters to mourn his loss.

# THE EASTER TRADE.

The reports from correspondents and florists in leading cities of the United States and Canada show an unusual uniformity with, of course, some variations in the smaller and more remote towns.

Reports vary as to the volume of trade, and many of our most careful and conservative correspondents fix the average increase at from 15% to 20%, while some report over 50%.

As to prices, the increase was not marked, but tabulated reports show approximately 5% to 10% advance, with less disposition on the part of purchasers to haggle about them.

In cut flowers carnations appeared to rule the day, reports almost invariably indicating a strong demand exceeding the supply. Next in importance to this flower follow lilies, violets and roses in the order named. Further, in a general way all good flowers sold well.

With regard to plants, lilies seemed to be called for everywhere, and most florists report that many more could have been sold. Azaleas sold well; hyacinths and palms were in good demand in many cities, and in a general way all flowering plants sold out close, with but moderate inquiry for palms, ferns and like stock.

On the whole, the Easter festival has but emphasized its importance as the florist's harvest.

We present herewith a portion of the reports:

ELMIRA, N. Y.—Easter trade, "simply splendid." Splendid stock; splendid weather; splendid sales, "'nuff said."—G. P. R.

Indianapolis, Ind.—An increase of 25% in total business; prices about the same except an increase incarnations; lilies sold well; hyacinths and tulips being less in demand; cut lilies sold poorly.—H. W. R.

TORONTO, CAN.—Sales nearly double those of last year. Price on best stock higher, on medium not so high. Cut flowers in good supply, also plants except liles. Lilacs and lily plants most in demand.—J. H. D.

SAN FRANCISCO, CAL.—Serveau Bros. report an increase in volume of sales of about 16%, with prices same as last year except in the case of roses, which were a little higher. Everything was plentiful except lilies in pots and azaleas. Dutch hyacinths went like hot eakes.

Baltimore, Md.—E. A. Seidewitz reports sales 20% greater, with prices better than last year, especially on roses and carnations. Good supply of plants, also flowers, excepting carnations and roses. In plants hyacinths and tulips were the least salable, azaleas most in demand. In cut flowers there was least call for tulips and bulbous stock, while the demand was greatest for carnations.

St. Matthews, Ky.—An increase of 20% in trade Bulbous stock equal to demand. Scarcity of azaleas. Cut flowers short. Lilies, roses and violets most in demand.

CLEVELAND, O.—F. R. W. reports 25% increase in trade, with prices normal. Plants in good supply and cut flowers short; cut roses and carnations selling well.

NEW HAVEN, CONN.—Trade excellent, although varying but little from last season, with prices the same. Carnations were the only scarce item in cut flowers. Roses sold poorly, owing perhaps to the high prices. All plants sold well. Novelties in plants, such as lilacs, rhododendrons and Harrisii were in demand.—J. A. P.

Washington, D. C.—A. Gude & Brofind that sales show an increase of 10%. Prices no better than last year. Plants too numerous to be handled properly. Cut flowers in every respect equal to the demand, except violets and carnations. Spiraeas among plants were the least salable, with lilies and pans of hyacinths and tulips most in demand. In cut flowers least call was made for jonquils; violets, carnations and lilies going well. There was a greater call than ever for cheap plants and roses.

Stoux City, In.—The total sales were greater than last year, an increase of 20%. Prices about the same. The supply of plants fair. In cut flowers carnations were most in demand.—J. R. E.

LARAMIE, Wvo.—Trade and prices normal. Supply equal to the demand. Cut blooms of bulbous stock, lilies and roses sold well, but our people have not learned to appreciate azaleas.—Mrs. G. A. II.

Sharon, Pa.—An increase of about 40%, with retail prices much better. While the supply of plants was sufficient, more cut flowers could have been disposed of. Carnations had the call as a popular cut flower.—J. M.

New Orleans, La,—U. L. Virgin reports an increase in sales of about 25% with prices about the same as last year. Supply of plants and cut flowers equal to the demand. Harrisii, azaleas and roses sold well. Palms and bulbous stock least in demand.

Atchison, Kas.—R. J. Groves reports 50% increase in trade prices as usual, with sufficient supply of both plants and cut flowers. The plants most salable were Dutch hyacinths, cinerarias, Harrisii; roses and carnations were the best selling cut flowers.

Parkersburg, W. Va.—Gustav Obernayer reports that Easter trade was 25% better than last year. Everything in pots was sold except hyacinths and tulips. Hydrangeas in 6 and 8-inch pots sold well. In cut flowers, carnations and roses brought good prices.

Hamilton, Can. — Sales about 30% greater than last season; prices the same; plants in good supply, but in cut flowers good roses and carnations were short. In plants there was a good demand for lilies, but spirica did not sell well; good demand for all kind of cut flowers.—E.G.B.

Birmingham, Ala. — II. A. Lindsay states that sales were about the same as last year, with no increase in prices. Little or no inquiry for plants; but little bulbous stockcould be sold except Easter lilies, which were short. The general stock has been better than for several years.

Towa City, Ia.—The sales here, report James T. Aldous & Son, are about the same as last year, as were also the prices; plants plential, also cut flowers except carnations, of which tully one-third more could have been sold, while the demand for violets, lilies and other helbous stock was about equally divided.

OAKLAND, Mb --Sales greater than last year with an increase of 50%. Demand for cut flowers far in eyeess of supply. Greatest demand for roses, files and viclets; least for bulbous stock. Output of flowers greatly curtailed by cold weather, the thermometer on the 6th registering 8 above zero.- H. W. & Soss.

Lise ons, It is Messes W. A. Gullett & Sons state that sales show small increase, less than 7% over last year, prices about the same, cut flowers plentitul. Among plants, liles ran short and what there was of them were badly diseased. Harrisin liles, call as azaleas, jonquils, and hyaenths were most in demand. In cut flowers, roses and carnations sold best.

FALL FIVER, MV.—Amount of sales and prices were about the same as last year supply of plant—and out flowers both short across and lines sold well, while tulps and I vacinths in pots were

slow; cut daffodils and tulips were not in demand, while pink roses, violets, lily of the valley and lilacs sold well.—C. W.

Tolepo, Ohio.—Total sales about 25', greater than last year, with prices about 20', lower; supply in all lines fully equal to the demand; in plants, lilies, cincrarias and hyacinths had the first call; among cut flowers pink carnations and violets led; cut hyacinths did not sell well; prices were badly cut, especially in plants.—E. S.

PITTSFIELD, MASS.—]. W. reports an increase of 15% over last year in total sales, with prices about the same; supply was equal to the demand, with carnations a little short and azaleas not selling well; among plants, lilies, and among cut flowers, hyaciuths, spiraea, carnations and roses were in greatest demand; trade very satisfactory.

Anderson, Ind.—Stuart & Haugh report 25% increase of trade. Fancy stock sold better. Plants in fair supply; cut flowers short. Lilies sold best, hyacinths next, spiræa moderately. Of cut flowers, carnations, roses and bulbous flowers were in demand in the order mentioned. The demand for buttonhole bouquets raged high; all classes were buyers.

Hartford, Conn.—D. A. S. reports Easter trade about one-third greater than last year, with prices about the same, except that carnations were higher; everything was in full supply except violets and carnations; azaleas and likes were most in demand with bulb stock slow; the call was for carnations, llarrisii and violets; results entirely satisfactory.

Kokomo, Ind.—Total sales show about 10% increase. Prices for retail stock about the same as last season, with an increase in wholesale prices. Flowering plants most in demand were cyclamens and primulas, also palms. Incut flowers roses, carnations and lilies were most salable. A hint for the future, grow better grades and get higher prices.—W. W. C.

St. Louis, Mo.—The St. Louis Cut Flower Co. reports sales as 15% greater, with prices about the same as last year. The supply of plants, except lilies, equal to demand. In cut flowers the supply of roses was short. Carnations plentiful. Too much bulbous stock. With plants everything blooming sold nicely. In cut flowers bulbous stock was unsalable, but roses, carnations and lilies sold well.

Padveau, Kv.—A decrease of about 10% with total sales less than last year. The supply of plants and cut flowers was about equal to the demand. An increase in the sale of flowering plants. In cut flowers hyacinths and libes were least called for, roses and carnations being most in demand. A better quality of stock was grown and better prices obtained.—C. L. B. & Co.

Cincinnyti, O --Total sales fairly correspond in volume of business done, but with the 25% decrease in money value, prices being rather lower and plants in the demand, except carnations. Excelent demand for roses, carnations and libes. Good demand was also noted for its deas as well as for ferns and small plans for pardimeres, -H. S.

Orrywy, ONT Prices about the same, (t) total sales about 25% greater than it was in blies in pots were short, other

plants in full supply; roses, carnations, violets and good lilies were short; among plants, azaleas, lilies, spiraa, and lily of the valley were most popular; bulb stock, while not in such great demand, sold well; roses, carnations and violets were in the lead; the day was ideal and trade entirely satisfactory.—Graham Bros.

Portland, Ore.—An increase of 20% in sales, prices being better than those of last year. Supply of cut flowers was equal to the demand, but plants were short. There was little demand for bulbous plants except Harrisii lilies, preference running more for ferns and palms. Sales of cut roses lighter, carnations being the favorites. More general demand for good stock, with no opposition to paying better prices.

Providence, R. I.—Sales show an increase of about 50% over last year; prices ruling higher on carnations and lilies; supply of plants in most cases equal to the demand, and the same held good with regard to cut flowers, carnations excepted. Azaleas and lilies, among plants, were most in demand, and carnations in cut flowers took the lead. Both plant and cut flower stock was better than last year except in the case of Harrisii lilies.—W. E. C.

Milwaukee, Wis.—Prices and total sales about the same as last year; with the exception of carnations and good Beauties the supply of plants and cut flowers was equal to the demand; lilies and flowering shrubs sold readily; roses, carnations and violets sold best, although bulb stock, on account of low prices, went freely. Orders were smaller but more numerous than heretofore, and cash sales formed a much larger part of the transactions.—Willthall Floral Co.

BUTTE, MONT.—Sales 50% greater, though prices remained the same as last year; all plants in good supply except Harrisii lilies. The supply of cut flowers ran short; many shipments were received from Chicago and Denver Among plants there was most demand for Dutch hyacinths, cinerarias. Harrisii lilies and azaleas. In cut flowers lily of the valley, Roman hyacinths, Harrisii lilies, violets and carnations took the lead; demand for pot plants showed an increase of 100% over that of last season.—L. B. D.

Grand Rapids, Mich.—Henry Smith writes: We note an increase in sales of about 25% with retail prices about the same. The supply of plants and cut flowers were about equal to the demand. The class of plants most salable were Harrisii, azaleas, hyacinths, cincrarias, roses and genistas. Those least in demand were tulips and bulbous stock. In cut flowers carnations, Harrisii, roses, violets and lily of the valley were most in demand. The sale of flowering plants was larger in proportion than that of cut flowers.

St. Johns, N. B.—Sales were slightly in excess of last year, with prices but little lower; supply of plants ample, and in some cases in excess of the demand; roses plentiful and first class; carnations very short; pots of bulb stock sold well; spirar slow; other plants in fair demand. Narciss, spirars and other miscellaneous flowers were in light demand; standard sorts sold well. Some of our enterprising citizens ordered a supply of Harrisii lilies direct from Bermuda, but unfortunately the steamer did not arrive until the 12th; now Harrisii lilies can be gotten very cheap.—H. S. (

### The Florist and the Flower Show.

BY GEORGE C. WATSON.

[Read before the New York Florists' Club, April 11, 1898.]

It gives me much pleasure to appear before the members of the New York Florists' Club this evening and tell them what I think of the relations that should exist between the florist and the flower show. I believe I can interest you tor a few minutes on that subject without lugging in any of our Philadelphia wheezes about New York being such a sleepy Rip Yan Winkle old town. Our friend Lonsdale and some more of his kidney tell me they always like to come to New York when they want a good rest, you know, but I guess that is just their airy way of getting back at you fellows for some sweet things you have got off in days gone by about Philadelphia—the greatest city in the country—which I could easily prove to your satisfaction with facts and figures if necessary, only I know that you know it in your hearts.

One thing I will mention, however, and that is that Philadelphia has the finest home of horticulture of any city in this country if not in the world. Artistically the building is a dream of beauty, both externally and internally, and it represents an investment of over half a million dollars. That is something for a patriotic New Yorker to ponder over and is respectfully submitted to the fourth estate. It will be useful stuck up on the editorial desk when the temptation to be witty is strong. But that splendid monument to horticulture, completed but a few years since, took its birth away back many generations ago among the ardent commercial and amateur florists for which Philadelphia has always been noted. These men of old were keen exhibitors. At first they had no home to invite the public to, but had to hire a tent or hall; then they got a modest structure, then a more ambitious, and finally the present palatial edifice.

The question naturally arises, Does the florist of to-day reap any benefit from the exhibitions of his predecessor? I answer unhesitatingly, of course he does. Would the present generation be educated in horticulture to its present extent without the stepping stones laid for them by past generations? The commercial florist of to-day in Philadelphia and Boston and York and other cities is being benefited by the seeds that were sown long Not that his predecessors thought anything much about posterity. What they wanted and what he wants is the applause and the dollars of the living. The flower show was recognized then as a powerful factor in educating the people in this most beautiful art of gardening, and with education came business. It's the same to-day. Grow things well and get the people to come and see them. The business will grow in its turn, and thrive amazingly in this sunshine of publicity. Look at the chrysanthemum: How many were sold previous to the time you commenced to grow and show them well a dozen years ago, and now look at the myriads of them that are being distributed every year. Look at the carnation, the rose, the lily, the azalea and many other flowers. Exhibitions have done much for all of them and trade has been greatly stimulated and expanded.

All this seems to go without saying, but for all that, it is surprising to find many commercial florists of the present day who are lukewarm on the subject of exhibitions and who can only be induced to come forward and do their share when hired—that is either with hard cash in

prize money or pieces of plate. It seems to me the feeling ought to be just the other way about; a commercial florist ought to be so eager to advertise himself by showing his products to an admiring public that he would willingly pay handmeet old customers and make new ones. It is advertising of the most effective kind. Business begets business, and to get business you must make a noise. There is no betterway of making yourself felt than through the public exhibition.



SPECIMEN AZALEA, CARL EUKE, EXHIBITED AT BOSTON BY ED. BUTLER, WELLESLEY, MASS.

somely for the space occupied and consider it a favor and a privilege to be allowed the opportunity. Another attitude of a great many commercial florists at the present time is, in my poor judgment, wrong. That is to say because the admissions do not pay all expenses including fat prize money, that the show is a failure. There is surely another criterion to judge a success by than the box office. A show may be very successful in every way and the public may crowd to see it and yet the expense of getting it up may be so great that the admissions do not cover it. But why should that be cause for despair and much talk about the show having been a failure and "flower shows don't pay anyway," and all that sort of thing

I think that attitude all bosh. I believe flower shows pay if not one cent is taken in at the box office. And the better they are the better they pay. They pay for the time being and for the future. There is no measuring when their effect stops. They are like a stone dropped in the water. The circles keep on widening and widening and the whole trade reaps the benefit. I believe every florists club ought to give frequent flower shows, three or four times a year at least. Don't say "I am too busy." It is a part of your business. It gives you a chance to

Experience teaches this, history proves it and common sense clutches it.

If the commercial florists in a community find the presence of a horticultural society in their midst let them rejoice Instead of making a machine to educate their neighbors at great expense here is one ready to their hands and already doing the work. It does not take a house to fall on a man to make him see that and the potentiality of such an institution for the furtherance of the business interests of the florists' trade. A florists' club can organize a flower show, can run it successfully and achieve great and lasting good, but the individual members can do more with less effort by assisting their horticultural society. The horticultural society is closer to the general public who society is closer to the general public who do or may garden for pleasure, being in fact a part of it, and is therefore more powerful because no one can say "Oh, they have goods to sell." I want to dwell on that point. I think it important. Many will say, "A florists' club can run a flower show just as well, nay, better than a horticultural society." As to that, they may give a better display but that, than a horticultural society." As to that, they may give a better display but they will not have the same influence with the public. Take the American Carnation Society for instance. The devilish mali-ciousness of the individual who nicknamed it "The Rooted Cutting Society," is an

example of what poison can be injected by a lie that is not all lie and therefore much more deadly than a downright

notruth.

On the whole I think the florist can get the most good out of the flower show if he investigates it through the medium of an amateur organization, but I do not wish to minimize the power of a frank and candid trade show for advertising purposes. I hope for a great awakening to the possibilities of expanding the flower business in this country by the concentration of attention on the matter of extending the market, increasing the demand. The selling of our product is considerable of a science, as many of our bright growers have found to their sorrow. Many have made the mistake of thinking that anything when well done will sell itself. Don't you believe it. You must first have your public educated up to the point of knowing a good thing when it sees it.

And, gentlemen, in conclusion, that's the nigger in the woodpile. There onght to be a great deal more attention paid to preparing the ground of the public mind sowing the seed thereon, cultivating. weeding, training, watering it day in and day ont, keeping all the time at it and never letting up. If this thought could be thoroughly worked into the composition of the little army of 15,000 or 20,000 commercial florists in the United States, do you doubt for a moment the immense expansion of the business and the honor, glory and profit to all concerned. Idon't, for one, and that I take it is the interest the florist has in the flower show, and is the reason why I think all florists should support the same much more warmly than many of them now do. Exhibitions are good things. Ask for them. See that you get them. And in any event get rid of that insane idea that it is the number of dollars taken at the box office that makes a show successful.

### Primula Vulgaris.

The genns to which the above belongs is rather prolific in species, from seventy to eighty being chronicled, a large number of them being very elegant and choice subjects for either the hardy herbaccous border or the rock-garden. They are also, as a rule very submissive to forcing, and therefore good subjects for the cool conservatory, the most popular being Primula Sinensis (Chinese primrose), conica, P. variabilis (or polyanthus), P. officinalis (cowslip), P. clatior (oxlip), l'. auricula, l'. cortusoides, l'. Japonica, and the one that heads this note, P. vulgaris, all of which are well adapted for pot culture, and will do equally well in cold frames, excepting the Chinese primrose, which must of course be treated as a greenhouse plant, P. obconica being 5 partial to greenhouse protection.

The chief distinctive feature that characterizes yulgaris from its immediate relatives othernalis and elatior, are that in the former the peduncle or primary flower stem common to the latter are suppressed To compensate for this short coming the pedicels or secondary flower stems are much longer than those of the bunchflower polyanthus, cuabling the flowers to appear well above the foliage of the

Primula vulgaris seeds should be sown in early April in a cool greenhouse in order to get largeflowering plants by the middle of the following winter. Pricked off in hoves, or any other convenient receptacle in which they are to remain until well established, transferred to the open garden from the said receptacle in

well-enriched soil, and in partial shade if procurable, they will make greater progress than if transferred to pots. ought to be lifted and potted in the latter part of October, if intended for conservaatory work, otherwise lifted and planted in cold frames for spring work. As they



PRIMULA VULGARIS

require but a few weeks to re-establish themselves in the pots, they are available for flowering any time thereafter, though the greater success is attained by deferring forcing until the near approach of spring, when their natural proclivities may be tickled by the florist with the assurance of success. They are gross feeders and require lots of water. K. F.

### Rose Notes.

Those of us who are expecting to plant a house or a number of houses specially for summer bloom will soon have to bestir ourselves; it is remarkable how swiftly the weeks pass, and the months too, and if we hope to cut good blooms with fairly long stems by July 1 it will not do to be setting out the plants around June 1; April 15 or close to that date is the proper time in my opinion to plant all summer houses. A house that is not as light, as well constructed or as well heated as is usually recommended for winter work will answer very well for summer roses, though the better the house the finer the product every time, other things being equal. To give good satisfaction all through the season, which includes the months from April to December, a house should have ample ventilation, ridge and side preferable, a tight roof and sufficient piping and boiler capacity to give enough heat all through those months, not of course anticipating any extremely cold weather.

I contend that fine blooms can hardly be expected if the plants are grown in the close, stifling air found in many rose houses during the hot months. Instead of a rose house being a "hothouse," it may be rendered actually cooler than outdoors by thorough ventilation. I know that many very good growers object to side ventilation for roses, and there are those who after having gone to the expense of putting it in, positively refuse to have the sash opened. Side ventilation causes a draft, and that means mildew, so to avoid the latter it is necessary to exclude the air at this point. All this does not agree with my experience with side ventilators. A carcless man will get drafts, and therefore mildew, without them more likely than a careful man would who should use them

properly. If the roof is leaky, the cold fall rains will saturate the soil, and black spot will surely follow. It is not a very difficult job to make a leaky roof tight; white lead, whiting and linsecd oil mixed properly and applied with a putty bulb will serve the purpose well. If there are no heating pipes in the house the season would be so short that the undertaking could hardly be profitable, and when the plants are looking and blooming the best it is not nice to have them suddenly destroyed. If it were possible I should select a house having well-drained solid beds in preference to one with benches; they will require less water, the soil is not so apt to become superheated and the roots can get down to where it is always cool and moist; the result is stronger growth and heavier flowers, with a mini-

mum of care and labor.

Kaiserin Augusta Victoria, as her name implies, is unquestionably queen among summer roses; when well grown (and it is easy to handle) there is no other variety, as seen from the florist's standpoint, that has so many points of excellence—fine foliage, splendid stiff, long stem, finelyformed and large-sized blooms, and with it all a delightful fragrance. Meteor has no rival as a bright red, and is almost always satisfactory. American Beauty is as much appreciated by the flower buying public, and is probably as profitable during the summer as in the winter months. Perle usually grows well, blooms profusely and opens its flowers perfectly in summer, and where there is any demand for yellow it is certainly the rose par excellence. The ideal pink rose for this purpose does not seem to have materialized as vet. La France is sometimes good, often no good and on the whole cannot be considered reliable. Testout is satisfactory in color, but has little substance and is not a very good keeper; but it is after all perhaps the best that we have. I believe that with solid beds and the very best attention, including a slight shading after May 15, the Bridesmaid will hold her own with the rest of her color, and probably surpass them.

There is not a fortune in summer roses for anyone; the demand is limited, and if every grower in the vicinity of our large cities should conclude to plant a few houses the result would be disastrous to all concerned. The man who has a retail trade or who furnishes flowers direct to the retailer, especially in the smaller towns, and from whom a small shipment is expected every day in the year, is the one above all others who should have a few roses, especially for the summer trade. The plants that have bloomed all through the winter and spring are almost invariably worn out by June 15, and the flowers cut from them after that date are small, mildewed, off-colored, measly things, a disgrace to the grower, a vexation to the dealer and a disappointment to the unrehaser.

It is a race these days trying to keep abreast with the work; we no sooner get round the young plants in pots, shifting, cleaning, etc., than we are compelled to start again. The old plants in the benches demand and should have as much attention as at any time during the season; the side growths seem to spring forth as by magic; the shoots will monopolize paths and every part of the house if not tied up frequently; red spider will flourish and spread his influence amazingly in the drier air and more congenial surroundings, and before we know it a house of roses may be practically ruined. It is not always the amount of syringing done or the pressure of water

available that counts, but rather the manner in which it is done; one thorough syringing is better, so far as removing spider is concerned, than half a dozen indifferent ones. It is hard, hot and wet work, and a lazy man is very liable to

slip it.

In fighting mildew remember the adage, "An ounce of prevention is worth a pound of cure": try to keep the foliage large, hard and shining by liberal treatment and plenty of air, then mildew will not make much trouble; exclude the air to avoid mildew and soft foliage is the result, and mildew after all. Keep up the liquid manure regularly once a week if possible, changing the ingredients each time. If a mulch has not yet been given, it should be put on at once. ROBT. SIMPSON.

#### Bulb Growing in the State of Washington.

The states of Washington and Oregon must not be overlooked by those interested in the production of American grown bulbs. The cool, even temperature of this regioncombines with suitable soil to provide conditions apparently very favorable for the growth of flowering bulbs. This seems to be not only true of gladioli which have been quite extensively tried, but from very reliable information, which the Florist has recently received, it would appear that San Juan county, Washington, furnishes ideal soil and climate for nearly all of those kinds commonly known as Dutch bulbs.

The picture accompanying this illustrates the culture of crocus and at the same times portrays the natural formation of the land as well as its original timber growth. There is undoubtedly an opportunity in this part of the west for experts in bulb growing to establish a

permanent business.

#### Carnations.

Planting out time is here, and as this method of culture seems to give the best results, it is an important factor in carnation culture. Give them the best piece of ground you have on the place, for right here is where you can overcome the defects of poor stock much better than anywhere else during the life of the plant. As to manuring, that is a matter for every one to judge for themselves. Some soils will produce plants plenty large enough with very little manure added to them; others will require a quantity of it. object of open air culture is to get a plant of good size, and yet not too large, to handle easily in the fall. This thing of a small plant giving the best results is a mistakenidea; if you have plenty of wood produced by outdoor growth you will have plenty of flowers, and with proper indoor culture they will be just as fine, if not finer, than those from small plants that produce only a few flowers during the winter, and the bulk of them along at this time of the year.

Some growers use phosphates or bone to advantage, but for a beginner who is not familiar with his soil and the use of prepared fertilizers he had better fight shy of them. There is nothing quite so good as well rotted stable manure for outdoor culture, and especially where you can rotate your crops. It is not advisable to use the same plot of ground year after year for your carnations if you have enough of a place to rotate with something else. If, however, you are compelled to use the same plot year after year you will have to use some discretion in manuring it, so that the soil does not become too rich, as a superabundance of

vegetable matter in the soil is quite as detrimental to good results as a lack of it. A very good plan to follow where you use the same plot is to manure heavily one year, use a little lime the following year, and then manure again, or occasionally drop both manure and lime for a year and use a good phosphate or bone.

Where you have plenty of ground the following is a good plan to adopt: Manure pretty heavily one year for the carnations, the following year use either lime or bone, whichever the soil needs most, and plant carnations again, then after they are planted in the houses sow the field to wheat, plow this down in the spring after it has made a good growth and sow the ground to either red clover or some quick-growing grass and plow this down either in the fall or the following spring, and your plot is ready for carnations again, with a light coat of stable manure. The following year fertilize with lime, and then wheat and grass again.

To properly prepare the soil it should be plowed at least ten inches deep, providing the subsoil will allow that depth; otherwise plow as deep as the subsoil, for it is not policy to turn it up for earnations; leave that for some other the weather, excepting of course when the soil is too wet.

No matter if the plants are in flats or in pots, water them heavily before taking them up and then again after they are taken up, the idea being to have the plant well soaked with water when it reaches the field, so that it will start without wilting. Do not take them to the field in the boxes or pots; have them all ready for dropping before they leave the honses and then let one man drop for two planters, so that the roots do not lay exposed to the sun and air any length of time before planting.

time before planting.

Planting should not be looked upon as a matter of how many plants one man can plant in a day, neither should it be a matter of a week to plant up five or six thousand plants. Where there are four men on the place a good plan is to prepare, say ten rows, then let one man drop and two follow planting, and the fourth follow and earefully tramp the soil around the plant; this last man can be dispensed with if the soil is wet or there is prospect of rain within a day or two. They should be planted if from pots just a little lower than the level of the pot, and if from flats just a little deeper than they had



A CROCUS CROP AT ORCAS, SAN JUAN CO., WASHINGTON, MARCH 4, 1898.

stronger-growing crop. Harrow it well and as deep as possible, and then throw up rows as far apart as the amount of room you have will allow; if you have plenty of room, two feet is a nice distance to have them apart. If you are crowded, fifteen inches is as close as they should be. The first distance will allow of working them with a horse and shovel harrow, and the latter with a hand harrow. The rows should be thrown up at least four inches above the level, so that when they are raked off for planting they will be about two inches above the level, which makes a good height, as in a wet season it will throw off the surplus water between the rows and in a dry one they are not perched up so high that they will suffer much from the drouth.

Planting out will of course depend on the weather. April 15 to May 1 is a good time in this latitude. Where there is not over five to ten thousand it is best to wait until there is promise of a rain and then try and have them all out by the time the rain comes. Where the quantity to be planted will not allow of this it is better to plant right ahead regardless of been in the flat, unless they are leaved down to the soil, in which case they should not be planted any deeper than they were in the pots or flats. If the soil is dry take the trowel and elip the dry soil off the row, as no dry soil should be placed near the roots of the transplanted plant. If it is very dry, take a hoe and elip out a hole where you want to plant and fill this with water, having the planter follow so closely that the plants are in before the water is all soaked out of the hole. This latter is a bit expensive, but will pay.

Some of these things mentioned may seem minor matters, but they are all important factors in the life of the plant and in the profit you derive from them.

ALBERT M. HERR.

FREDERIC W. TAYLOR, the well known horticulturist and present superintendent of agriculture and horticulture at the Trans-Mississippi and International Exposition at Omaha, was married at Chicago, Tuesday, April 12, to Miss Marion Treat, of the musical department of the Nebraska State University at Lincoln Neb.

#### Exacum Affine.

This lovely gentianwort is one of a genus of twenty species, and a native of Socotra; though not so gorgeous as its near relative Exacum macranthum, which requires a stove temperature and has much larger indigo-blue flowers, vet the all-round charms and characteristics of the former will, in my opinion, outbalance the georgeousness of the other. One of the good points about E. affine is its natural compact habit, delicious fragrance, profuse flowering disposition, continuing in its floral garb for quite a length of time.

The color of the flowers varies according to treatment; if kept in bright sunny quarters they assume a bluish lilac color. in the shade, blue to deep blue. It is considered by some authorities an annual, but more properly it is a biennial, though I have kept it in the pink of health for nearly three years.

Seeds sown in August will produce plants, properly handled, suitable for seven-inch pots the next succeeding August. Seeds sown in March in a warm greenhouse, or greenhouse temperature, will produce plants suitable for five inch pots. The soil I find best adapted for its culture is good fibrous loam and leaf mound, the latter predominating with clean sharp sand in addition thereto in quantity.

The seeds are so small, so few and so far between in a seedsman's package of this plant, that the aid of a Lick observatory telescope is necessary to locate them, hence the extreme care that is required to deposit them on their seed bed, which ought to be smooth, and the materials thereof finely sifted. It will propagate, however, as readily as the proverbial weed. Greenhouse temperature is the most suitable for the subject of this note, which, of course, means any way from 55 to 60. Fah.

The plant must be kept in a cool, but not draughty greenhouse or frame in the summer time, and shaded from the tierce sunlight; it requires lots of water at all times, except in dull cloudy weather, or in a less congenial temperature than 55 degrees.

#### New York.

BLOOMING PLANTS WERE THE LAVORITES FOR TASTER TRADE.—VIOLIA'S TAKE PRECEDENCE OVER ROSES IN POPULAR ESTELM —GEORGE C. WATSON AT THE LORISTS' CLUB. MR. BUTTERBACH DIS PLAYS HIS PRIZE OF P.—PERSONAL.

The disagreeable weather that for a week or more had kept in suspense all those interested in the buying, selling or wearing of Easter flowers or Easter connects, vanished in due season and was followed by three rare spring days. No more beautiful day than Friday or Satin day could have been desired and Sunday practically followed suit, for the predicted rain storm did not arrive until 6 p. m.

The plant trade may be sately recorded sup to expectations. It had things its an way and another long step was taken in the evolution that has been 2 sing on for years, and promises to soon climitate the cut flower as a factor in Laster results. The retail dealers were evidently very well-content that it should be so and most of them devoted their energies mainly to this branch of their business, relegating the cut flower department to an obscurity in which their customers so medequally willing it should



EXACUM AFFINE.

Greeks, quick to note any tendencies offering an opening for their enterprise, took a hand in it and lines and groups of lilies, azaleas, hydrangeas and daisies marked the location of their stands. And the quality of these street venders' plants could not be called inferior; much of the stock was of fair size and showed evidence of judicious selection and it was accessible to the street buyers at figures considerably lower than quoted in the better class of stores, each customer, however, having to shoulder his own purchase and get it home as best he could, without the luxury of a plate glass wagon and liveried attendants to do it for him. A number of the cut flower wholesalers possibly feeling their way to a more active future participation in this particular department made a modest attempt to handle a few plants and one went so far as to secure a large vacant store, fill it with plants and give his attention to it in prefcrence to his cut flower business, with gratifying results. These movements on the part of the wholesalers did not meet the approval of their retail friends but as the retailers were doing little or nothing towards consuming the heavy stock of cut flowers on the wholesalers hands the obligation on the latter to refrain from a chance to make an Easter dollar could not be regarded as very strong.

Lilies and azaleas were the plants most in evidence. Lilies went rapidly and Saturday morning found the stock well depleted, short, stocky longiflorums, one two or three in a pot, having the prefer-Azaleas weie sold in enormous quantities but the supply seemed almost inexhaustible and there were some left at the end in all establishments most of these being, however, inferior goods. Rhododendrons were not offered in as Lage numbers as last year, neither were genistics. There was a fine supply of cucas, both pink and white and they sold well. Boroma heterophylla although seen in perfection did not seem to exerte any special enthusiasm, daisies, astilbe in two species, and accaems had a fair demand and blacs, hydrangens and bulb remain for the time being. Liven the our stock whether in pots or flats sold

poorly. A prime favorite was Crimson Rambler rose; in fact, all good roses in pots were snapped up greedily. On violets and English primroses and even fily of the valley, in fancy hampers and flat trays there was a tremendous rush. One retailer remarked that if he had to go through with it again he would prepare several hundred more of these attractive arrangements, with a certainty of a ready sale. These baskets were made of willow in various natural or soft green tints sometimes decorated with straw braid trimming and in alleases were provided with tin receptucles for the plants. One difficulty with the popular violet arrangements is the necessity that they be filled only when wanted and with positively fresh plants as violets kept in the store twenty-four hours acquire a very tired fragrance. In one leading establishment willow hampers in various sizes were made a specialty. The larger ones were filled with cricas, azaleas, cinerarias or other bright flowering plants erowded closely down so as to show a mass of color under the half opened lid which was decorated with ribbon of appropriate tint. Simplicity of arrangement prevailed and very few promisenously mixed groups were seen. of ribbons, generally, as a finish to plant arrangements seemed to be popular but erepe paper was not used as much as heretofore, the better class of stores showing a disposition to discontinue it. As to novelties there were not many, a few cape jasautines and some cricas in beautiful, but as yet unfamiliar varieties being the only things noted.

The cut flower trade, from the standpoint of the wholesaler and the grower, sunnot be recorded as a brilliant success, The disposition of the retailers to avoid stocking up and to leave to the wholesalers the burden of earrying the goods until they should be needed was more pronounced than ever before. The only flower on which any scare developed was the carnation, and strange to relate, it was the Greek who got the bad end of the bargam Such carnations as came in previous to Saturday were held at very

high prices. The stores refused to be stampeded, but the Greeks were nicely caught and Sunday morning saw the carnations still on their hands, the public having dropped the carnation with a "dull thud." The receipts of roses were enormous in the aggregate. Many of those that came in on Thursday and Friday showed unmistakable traces of familiarity with the storage cellars. Saturday's receipts would probably equal in quantity the entire receipts of the balance of the week. Express wagons were unloading on Twenth-eighth street until late into Saturday evening and the contents of these late arrivals showed that the bushes had been depleted to the last available bud. Sunday morning saw more shipments on top of the accumulated stock and when the tired wholesalers finally closed their doors on Sunday evening, notwithstanding the quantities they had been able to unload, the ice boxes were still well filled. The experience on big roses was especially discouraging. American Beauty in all grades was moved with difficulty owing partly to the heavy receipts of Jacqs of good quality which were sold freely at moderate figures. Surplus mixed teas had to be knocked down at very low prices in quantity to close out, and it being Sunday, the street Greeks, who must be depended upon always at the tail end of the game, did dot dare to make any move.

Violets, while not provided in as large quantities as promised, came in freely and sold freely, the public fancy and the public recognition of the moderate prices quoted serving to make this item in the business pleasant and satisfactory in every way, and the quality averaged excellent for the season. Bulbous stock was a bugbear. Tulips were unsalable and many of the Easter receipts are still sojourning in the wholesalers' cellars. Lily of the valley rallied on Saturday evening, but as an effort had been made to keep the surplus down by low offers, the depleted stock left little chance to realize on the advance. Daffodils made a fairly good showing considering the spring's previous record. Smilax was said to be scarce; so it was or seemed to be up to Friday. Nobody would accuse it of being scarce since then. It came in crates and barrels and baskets in hopeless mountains and asparagus and adiantums performed a similar caper. Much of it is still looking for a customer. As to lilies the story is that there was a large percentage of Harrisii blooms of exceedingly inferior quality and these could not be expected to realize much, but good tough petaled longiflorums sold well, although not at outside prices as quoted in advance, and with the exception of the late Saturday and Sunday shipments which were not in time to enjoy any part of the special demand.

The April meeting of the New York Florists' Club was not as fully attended as its predecessors of the present year, but the number present was all that could be expected after the Easter ordeal and it is safe to say, much larger than it would have been were it not for the announcement that the ever sprightly George C. Watson from Philadelphia was to appear on the platform. Mr. Watson's address will be found in another column but his will be found in another column but his personality is not transferable to cold type, therefore those who missed the pleasure of listening to him are decidedly the losers. A letter from the New York Gardeners' Society asking if the club would participate in a fall show was referred to the exhibition committee and incidentally furnished food for argument

on the subject of Mr. Watson's paper, viz., flower exhibitions. How to get the public to support or even to attend flower shows, how to advertise these affairs economically yet effectively, how to subsidize the local newspaper talent, how to get exhibitors to participate without the incentive of large money premiums and many other essentials of success were discussed from the standpoint of the various interests represented in the meeting. The lack of a suitable hall of moderate size, the indifference of the great public of a city so wholly cosmopolitan as New York is and the unproductiveness of the cut flower growers' industry in this vicinity for the past three years were among the many causes advanced for the unfavorable showing in the exhibition line made by the great metropolis. Mr. Watson added to the impressiveness of the occasion by a pertinent allusion to New York's slowness as compared with Philadelphia in the matter of street cars as per his experience in coming from the R. R. station to the meeting in an oldfashioned slow horse car. The exhibits on the center table were few. A handsome begonia of the Rex type from W. A. Manda and a seedling violet, pale colored from Charles Carroll were specially noted.

At a meeting of the New York Gardeners' Society on Saturday evening, Mr. N. Butterbach appeared with the silver cup presented by the Monmouth Co. (N. J.) Horticultural Society at the Waldorf-Astoria exhibition last fall and which was won by Charles Knight for the best arranged group of decorative plants

The cup is a very artistic production.

Geo. T. N. Cottam has been appointed by Mayor Van Wyck a member of the committee to solicit contributions toward building a national monument to the victims of the Maine outrage, to represent the nurserymen

Mrs. Jacob Bebns died on Friday, April 8.

J. L. Schiller is scheduled to be married on June 1.

#### Chrysanthemum Notes.

Chrysanthemums to be grown for specimen plants are now ready for a shift into 6-inch pots. We begin with this potting to use a richer soil. In addition to the ordinary compost used for potting a variety of plants, we add a dusting of wood ashes and a little pulverized sheep manure; we are careful not to use a large proportion; we know what it is to make mistakes. Free drainage is essential. Charcoal is recommended to be used in the drainage of such varieties as are liable to burn. This probably might be deferred until the final shift, though charcoal is good at all times, especially when we have a heavy soil to handle. Chrysanthemums root freely in coal ashes, as we may notice when they are set on a bench of this material. Ashes used as drainage do quite as well as broken crocks. We pot firmly when the soil is light, and loosely when it is heavy.

In spite of all our resolutions to the contrary, we find ourselves, as usual, encumbered with a host of varieties we know only by report. This season the total exceeds the hundred mark. When in 6-inch pots the plants are carefully observed, their manner of growth noted, also tendency to break, and liability to disease. The good as well as the bad points are almost certain to appear during the month or five weeks leading up to the final shift. Only such as promise well are shifted into the larger size, probably not more than 60%, and some of these will go, later. Varieties with a good reputation, but whose behavior has not come up to the standard, will be planted in the open, in a nicely prepared piece of soil, and if there is anything good in them, they will have a fair chance to show it. Then again some of the very best have a habit of running to bloom prematurely. I used to throw them out without further trial, but since I have found when I must persevere, that a goodly majority of such will after this blooming period is past, grow into good specimens. I learned this by planting out the surplus plants.

Stopping, or pinching in, commenced when the plants are in the smaller sized pots, must be continued in this; in fact, the pinching should not be discontinued until well into July. The plants must be looked at every day or two. A plant looked at, every day or ...... well balanced now will keep so. T. D. H.

#### Philadelphia.

EASTER TRADE LITTLE BETTER THAN LAST SEASON.—DEPARTMENT STORES HANDLE LARGE QUANTITY OF STOCK. -ENOUGH AND TO SPARE OF LILIES.—CUT FLOWERS NOT IN AS BRISK DEMAND AS LAST YEAR. -PERSONAL.

Take it as a whole Easter probably was little better than last season. A short trip around the stores showed that a little more Easter would have been beneficial. A few Ramblers, some hydrangeas and quite a lot of lilies as well as azaleas gave the establishments a bright and cheerful look that was not reflected in the faces of the proprietors. To be able to order just enough to supply the demand seems to be almost impossible. That any Ramblers should be left over seemed strange, as this rose was the novelty of the season; the price, however, was held pretty high, the larger sizes having to be sold for from \$6 to \$8. All the medium sizes went quickly at from \$3 to \$4, retail

Lilies sold in all the principal retail stores at 25 cents per flower and bud. The department stores stocked up quite heavily and advertised lilies at 15 cents per flower. They also had hydrangeas, azaleas and other Easter stock, but their places being kept so warm and rather poorly lighted was hard on the stock and much of it went to waste. It seems as if they do not care to realize any profits from plants, simply handling them to draw crowds. This is rather hard on the regular retail trade, as such low rates extensively advertised are bound to affect the legitimate channels. Perhaps it is just as well that the little Bermuda mite got his work in so well the past season; there was found eventually to be lilies enough and to spare. According to the best reports about half of the bulbs started were thrown out. If everything had grown and arrived at maturity for Easter the department stores would likely have been offering lilies at about 5 cents each.

Roses and other cut flowers did not seem to be in quite as good demand as previous seasons, although large quantities were sold. There were plenty of fine Brunners, Beauties and good Bridesmaids; Brides were a trifle scarce. Carnations were held quite high, from \$3 to \$8 for a very few select l'ingree, etc.; \$4 was the price for the best average flowers. Lily of the valley, tulips and daffodils were plentiful at \$3 to \$4. The weather on Friday and Saturday was all right; since then it has grown much warmer. April 5 it was freezing all day, to-day, 13th, the thermometer stood at 70. Great weather this.

Messrs, Robert Craig, S. S. Pennock, David Rust, and Robert Kift, accompanied Mr. Benjamin Durfee of Washington to Joseph Heacock's place at Chelter Hills to see the new carnation Diana. variety originated with Mr. Heacock and was purchased by Mr. Durfee. It is a fine large white, as large as any of the new ones, with a splendid constitution and perfectly healthy. The flowers, pure are borne on long stiff stems; it looks like a good keeper and in every way a desirable variety to grow for Everything about Mr. Heacock's to grow for profit. appeared to be in the best of health and producing large crops of flowers; his palm houses looked particularly fine, the plants having a very vigorous appearance.

Wm. Penman is around with us again; his Nicholson's dictionary is just the thing for every man who desires to keep posted and find out in a minute the name of any plant that he is doubtful about. Mr. King, who represents him, has taken sixty orders in the past few weeks, and we venture to assert that no man will ever regret having purchased this valuable

work.

Carl Jurgens, of Newport, paid this eity a flying visit last Tuesday. K.

#### Diseases of Variegated Plants.

Every grower of plants is fully impressed with the importance of sunlight as a factor in his craft. He has learned that the solar rays produce the green substance in plants, and after it is produced the sunlight is needed to maintain that color. Therefore two essentials at least for successful plant growth are: first, sufficient light and second an abundance of green substance. That the sunlight may be too strong at times goes without saying and shading needs to be resorted to, but as a rule there is none too much of the green in plants for their

best good.

The seeming exception to this rule seen in the various variegated plants is no exception, for it is easily maintained that these are weaker than plants of the same species similarly situated that are not variegated. This green substance is lodged in the pulp cells of the leaf and it is in this green protoplasm that the crude substances are made over into the food of the plant. That is, the water from the roots and the carbonic dioxide of the air meet here, and under the influence of the solar energy are combined into substances like starch for the upbuilding of the plant. If a plant has no green substance it is unable to do this work, and must either feed upon the substances made by some other plant, and thereby become a parasite or die. Now, it is maintained that the ordinary variegated plants like the Dutilon, a specimen leaf of which is shown in the accompanying engraving, is lacking in this green and in so far as it is lacking the plant is enfecbled.

There is no question raised as to the beauty of these variegated plants, and with special care they may maintain on health for a long time, but at the same time such plants are more sunsect to successful attack of various enemies. Thus the tolage of the variegated abutions to quently blighted, sometimes so anch so that the added beauty of the plant due to variegation, is more than offset by the diseases that come in to

destroy the foliage.

In the case in hand, the reader, may be take to see that the leaf is quite generally covered with senall oval or circular spots, each with an achy center, and a brown border. The presence of these dead spots

is somewhat obscured by the coloration of the leaf, and if they were upon an ordinary green leaf the grower might be concerned as to the health of his plant.

The writer has studied over thirty genera of ornamental plants, having one or more species of variegated plants in each, and the conclusion stated above seems to rest upon solid ground; namely, that variegation is a source of weakness, and the reason for the same is not far to seek. The green substance is the material in which food is made and there is little reason to think that an ordinary plant as a rule has, when at its greenest condition, any excess of this working material.



DISEASED ABUTILON LEAF

This being the fact it is well for plant growers to be governed accordingly and realize that variegated plants have their added attraction of non-green foliage at the expense of their vigor. For this reason they will need special care and it is not to be overlooked that they are as they are by a process of forcing due to man, and if left to themselves, if they survive at all, will drift back to the green condition common to plants growing in a state of nature.

The last point in this connection that will be mentioned is a return to the susceptibility of variegated plants to discases. There seems to be no doubt of this and therefore such plants require more attention in the way of spraying than the common green forms of the same species. Variegated plants are in fact propagating places for diseases that when once thus well under way may spread to the standard sorts of plants without variegation.

The writer has seen the leaf spot start in a lot of Funkia undulata, variegata and spread to all other sorts of the day hly round about. In the same way the variegated sorts of pelargonium, are the starting points in greenhouses for a general blight upon its associates. Aspidistra, croton, begonia and hens are noted examples. Some propagators will not have a variegated hens in their houses, because of its breeding contagion.

Byros D. Halsted

Cylci (1861, Mo. - Perry Finn is putting in an unproved system of water supply.

WILLIAM, W. V. W. F. Zane, South Fenn street, is repairing the damage done to his greenhouses by the flood. He sustained a considerable loss, but hopes to have everything restored to proper condition for the spring trade.

#### Boston.

RETAILERS SATISFIED WITH EASTER RESULTS.—INCREASED PLANT SALES.—SHORTAGE IN AZALEAS.—INCUT FLOWERS VIOLETS LEADING.—CARNATIONS SUFFERING FROM PROHIBITIVE PRICES.—ROSES AND BULBOUS STOCK PROFITING THEREBY.—BREAK IN PRICES AT WIND-UP TOO LATE TO UNLOAD SURPLUS.—GOOD SALE FOR JACQS.—DEATH OF A. T. CEFREY.—VISITORS

Retail florists here have every reason to feel pleased with the Easter experience. There is a wide variation in the reports from individuals as to the special tend-ency of the demand, but all agree that it was a great Easter, and that the amount of plant sales was unprecedented. The weather cleared up nicely on Thursday morning, a trifle cold at first but otherwise the ideal weather for transporting flowering plants, and the two speceeding days were simply perfect. Azaleas sold out clean, and more could have been placed easily. Hydrangeas sold fairly well, recovering from the set-back of last year. Genistas were in light demand, but indispensible for brilliant effect in the show windows. Lilies were sold in enormous quantities. Those offered in this market were, as a rule, longiflorums, not tall, and with fine solid flowers. They were lower in price than ever before owing to the sharp competition of the department stores and others. The plant trade assumed unforescen proportions on Saturday, and as many of the florists had two stores to look after it kept them more than busy. The rush fell off suddenly Saturday afternoon and the goods then on hand remained there.

On cut flowers the rush did not get under way till late Saturday, and even then did not compare favorably with past years. Violets had a big sale, and were cleaned out completely. Cut lilies sold fairly well, but it was noticed that for church decorations where a large number of blooms were required there was a disposition to substitute callas for longiflorums on account of the heavy fragrance of the latter, which many susceptible people complain of. In some establishments the demand for roses tayored the high grade flowers; in others the medium grades sold freely and the better quality flowers were left. Double tulips sold well. Carnations were held at such high figures by growers that but few were bought by the retailers, it being evident that their customers would not stand the price.

The wholesalers had considerable stock left at the close. The carnation growers had gone daft on the possibilities in earnation prices and refused to entertain good round offers on Thursday or Friday, with the result that on Saturday earnations were dead stock, and the goods that might have sold quickly on Thursday at \$5 per hundred was hunting for buyers at \$3. All the wholesalers found business, shipping and local, satisfactory on Thursday and Friday, but were forced to refuse enruations to their enstomers and to depend upon tired roses for much of their business, which was unfortunate. Lilies sold fine until Saturday, when a big brenk in prices took place and those who had backbone and refused to participate in the cut got hadly left and have the goods still on hand. The peculiar condition of the carnation market helped, the bulbous stock wonderfully, all this class of goods selling une spectedly well, and the roses also profited by the situation, so that many hundred dollars that might have lined the pockets of carnation growers found its way to the strong box of the

rose men, who, with no previous rosy prospects, were glad to take it. All colored roses sold well, Jacqs especially, but at the close on Saturday there were still enough on hand to supply a good many more customers had they appeared. Late Saturday there was a break all along the line, lilies, carnations and roses suffering most and violets being the exception, but it was then too late to unload. Violets made a grand finish, and lily of the valley surprised even its friends, but without any advance on prices. There was not a candidum lily in sight at any time.

A. T. Cefrey, an old-time Boston florist, noted a quarter of a century ago for his skill in the construction of the intricate and elaborate floral productions of the period, but who, in the later time of loosely-built work, gradually drifted into semi-obscurity as a florist, died of consumption at his home in Malden on April 6. For a number of years he has been engaged in the manufacture of florists' immortelle letters and inscriptions, a business for which his deft abilities in fine detail work fitted him, but a lack of broad business capacity prevented his making more than a weak competition against his rivals in this overdone specialty. Mr. Cefrey was a native of France. He leaves a wife, three daughters and a one son.

ms rivais in this overdone specialty. Mr. Cefrey was a native of France. He leaves a wife, three daughters and a one son. Visitors in Boston: R. W. Clucas, of Clucas & Boddington, New York; J. D. Thompson, Joliet, Ill.; Mr. Hartshorne, gardener to Mr. Higinbotham, Chicago, and a couple of score of Belgium and Holland artists in the bulb and azalea-line.

#### Asparagus Sprengerii.

An inquiry comes from Belgium as to the methods pursued in America in the culture of this comparatively new asparagus. It has not been in cultivation long enough to much more than indicate how it may most profitably be grown. It is yearly growing in favor, making friends among growers, retailers and the buyers of flowers and the accessories thereof.

It shows some inclination to climb, it is true, but up to the present time to encourage it to grow upward is not considered the best way to show the sprays off to the greatest advantage after being The plant is better grown in a suspended position and the sprays allowed to droop gracefully; in that way it comes shorter jointed and makes a more desirable spray of green than if grown in any other way that I know of. It could be grown to advantage, I think, on a narrow shelf of a back wall of a rose house or similar structure where a night tempera-ture is maintained at about 60°. It delights in the full sunlight, which means that it should be placed as close to the glass as practicable, and a shady position must be avoided if we would hope to succeed to the utmost with it.

Mr. Robert Craig has grown some fine specimen plants of this asparagus and has sold the product to advantage and profit. Mr. H. H. Battles was the first, we believe, to use it in quantity in Philadelphia, and the event was at a dinner given in honor of President McKinley by the Union League on one of the President's visits to this city recently. It was gracefully made use of in the dinner-table decoration, and cattleyas were the flowers employed on that occasion, creating a rich, dainty and beautiful effect.

Each observant and careful cultivator will find out for himself the technical requirements of this plant, if it needs any, and as above indicated it at present apparently will require to be grown in a

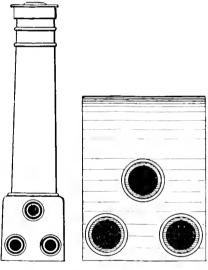
different way to develop it to the fullest extent of its beauty and usefulness to that which is adapted to most other plauts. Any rich, porous soil with ample drainage seems to suit it.

The green sprays of this asparagus are likely to become in the near future an article of commerce in the marts where flowers most frequently change hands, so that it would be well to prepare for the demand.

#### Steam and Hot Water Heating.

PART II.

The hot water expansion tank should not be open to the atmosphere of the greenhouse. In hot water heating plants of any system, it is necessary to have what is known as an expansion tank or expansion pipe, This is a part of the pipe system, usually located at the highest point, with sufficient space in it above the cold water level to hold the additional bulk of the water after it has become heated, which is due to expansion. It makes no practical difference what the shape or style of these expansion tanks may be, so far as regards their special objects of providing space for the increased bulk of water on low pressure open systems. However, in many cast iron pipe systems for greenhouse heating,



FIGS I AND II.

the expansion tank is used as a header for the ends of heating coils, as shown in the accompanying illustrations, figs. 1 and In perhaps two respects this is a good plan, as it provides a solid support for the end of a coil, and makes it easy to connect the lines of pipe in the coil to-gether, besides being the very best plan of delivering the hot water equally to the different pipes in the coil at the extreme end of the line from the boiler, where the tank is usually located. Many of these expansion tanks are provided with portable covers so that water can be poured into the tank direct from a pail when necessary to replenish or fill the pipes. Others are provided with automatic ball cocks and connected direct to the supply of cold water, which keep the pipe filled automatically. But all the various makes for cast iron piping are left open to the atmosphere of the greenhouse. This last point is a bad one and should be remedied.

For this class of greenhouse heating, the system must be open to the atmosphere for the reason that the pipes and many patterns of boilers would not stand heavy pressure, which would be quite apt to form in a closed system. But it is a bad practice to have these hot water heating systems open to the atmosphere of the greenhouse, as previously stated, and the special reason for this is, on account of the large amount of hydrogen gas which is constantly escaping from the open expansion tank. It must be remembered that the so-called air which escapes from the hot water heating pipes, and radiators of heating plants, is nearly pure hydrogen gas. This is very destructive to animal life, and is also extremely destructive to vegetable life. Let the system be open to the exterior atmosphere. It is a simple matter to attach a small piece of pipe to a closely fitted top of any expansion tank, and carry same out through the top or side of the greenhouse.

The capacity of the expansion tank is determined by the number of gallous of water contained in the entire heating apparatus, and as water expands about one-twenty-fourth its bulk, in a rise of temperature from 40° to 212°, one-twenty-fourth the water capacity must be provided in the expansion tank. This will allow the water to rise and fall in the tank as it heats and cools without a loss from overflowing; but there is a loss going on at all times, especially when the apparatus is being run at high temperature, partly from evaporation, but principally by the generating and escaping of hydrogen gas. This gas is so very light that when separated from the oxygen of the water by heat it rises quickly to the highest point in the system and escapes.

James J. Lawler.

#### Chicago.

BEST EASTER BUSINESS IN THE WHOLE HISTORY OF THE LOCAL TRADE MAKES EVERY FLORIST HAPPY.—PRICES WERE GOOD.—STOCK WELL CLEARED OUT.

The wholesale cut flower trade last week was over thirty per cent greater than that of any Easter week in its history. There was a much larger supply received than was anticipated, particularly of carnations and roses. The supply of lilies was fully up to that of any previous year, and stocks were all disposed of at prices ranging from \$10.00 to \$18.00 per hundred. This is a higher average price than lilies have brought for several years. Tulips were in good supply and sold at from: \$2.00 to \$5.00 per hundred, Couronne d'Or and Murillo bringing the top price.

bringing the top price.

Lilies of the valley brought from \$2.00 to \$4.00 per hundred. Roses were in great demand, both for shipping and city trade. American Beauty sold at from \$1.00 to \$6.00 per dozen. The principal demand for Beauty was for \$2.00 to \$3.00 grades. There was an unprecedented demand for carnations to fill out-of-town orders and prices were consequently relatively high, ranging from \$3.00 to \$8.00 for fancies. The prospect of rain on Saturday depressed prices in the early morning, but the market quickly recovered and was otherwise firm all the week. Wholesalers claim to have filled orders better than ever before and few complaints are heard.

Growers were sold out of blooming plants early in the week. Lilies were most in demand. Hybrid roses sold well, with but small supply. A few good hydrangeas were in the market and sold well at good prices.

Ed. Winterson started to sell some of his surplus stock at auction a few nights ; and made a success, until he laughingly offered an Easter hat with every purchase. That gave him the worst of the deal. Kennicott Brothers report that they could not get stock last week to they could not get stock last week to supply more than their regular trade. Bassett & Washburn, W. E. Lynch, George Piepgras, A. L. Randall, A. G. Prince & Co., Reinberg Bros., E. H. Hunt, E. C. Amling, Poehlman Bros., The Rogers Park Floral Company, and J. B. Deannud, all report trade to have been all that they could desire. Retailers been all that they could desire. Retailers report trade equal to last year, but complain that the price of carnations prohibited any profit on this favorite flower. l'otted plants sold more readily than ever before.

John Cook has rented the Saxon Place

at Downer's Grove.

The many friends of F. F. Smith, formerly of Aurora and afterward proprictor of the Sixty-seventh street greenhouses, sympathize with him in the death of Mrs. Smith, who was buried at Oakwoods, on April 5. Mr. Smith now resides in Denver.

Otto Mailander, who left the city some two years ago under a cloud, is reported to be in Johannesburg, South Africa.

The executive committee meeting of the Horticultural Society failed of a quorum owing, doubtless, to the Easter rush, and adjourned subject to the call of the president.

John Pochlman, of Pochlman Bros.,

is ill with typhod fever.

Since Easter trade has been very dull, and an immense stock of flowers has accumulated, buyers are making their own prices.

Jas Hartshorne is going to build ten greenhouses, 20x200 feet near Joliet. He intends to grow carnations exclusively, and will commence to build about May 1.

The Florists' Club met Thursday evening. It was private gardeners' night, and Edgar Sanders read an interesting and appropriate paper on the old time gardener

Visited Chicago: M. Koster.

#### Ornamental Bedding.

PART V.

To lay out a diamond (rhomb), we should know the length of the two diagoreals. It for instance, they are nine feet and six feet, then set two pegs a and b



is the party of their you want the hed not feet goth with any desired radius draw on the real and back oth sides as draw on we first a and b to both sucked in the cted in Fig. 16, set pegs, at intersections, the superior of twine between these two pegs, and a piece between a and b, where the superior of a peg, c, and from this to each of demonstrate the short drag and in this case three of the short drag and in this case three

feet, and set the pegs d and e. The pegs at the intersections and the twine can then be taken away and a-b-d-e mark the diamond, peg c willcome handy in laving out the design.

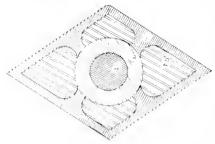


Fig. 17. - Adesign for the above diamond.

1, Alternanthera amogna spectabilis; 2, A. aurea nana; 3, Santolina incana; 4, Achyranthes Lindenii.

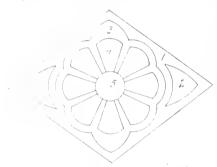


Fig. 18.—A design for a diamond ox12

1. Alternanthera amorna spectabilis; 2. Pilea nana; 3, Alternanthera aurea nana; 1, A.spatulata; 5, Coleus Golden Bedder.

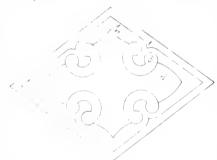


Fig. 19 .- 1 more complicate design for same dimensions.

1. Alternauthera paronychioides; 2, A. aurea nana; 3, Santolina incana; 4, Alternanthera paronychioides major.

#### Hints on Prize Lists for Dahlia Shows.

A prize schedule should contain sufficient classes with an ample mumber of good prizes in each class to call forth the hest competitors. In accounts of English dahlia shows I have found sixth, seventh and eighth prizes not uncommon. The mevitable result of so extended a list is to stimulate and encourage the widest competition, which in its turn reacts to arouse public interest in the exhibition.

The following schedule is offered as being sufficiently comprehensive for the Largest special dahlia show and as capable of adaptation by proper selection to the smallest county lair. No number of the smallest county fair. No number of alue of prizes is indicated us this must be determined by the special circumstances of each case.

The corresponding costs of the 
B Show dahlias: 1, best collection; 2, best 25; 3, best 12, C Fancy dahlias: 1 best collection; 2, best 25; a best 25;

3, best 12.

D Pompon daldbas: 1, best collection: 2, best 25; 3, best 12.

E Cactus dabbias: 1, best collection: 2, best 25; 3, best 12.

F Decorative dabbias: 1, bost collection: 2, best 25;

25; 3, host 12.
G Single dahlias: 1, best collection; 2, best 25; 3, best 12.

In special shows where there is sufficient material from which to draw there should be added a class of fifty in each section perhaps a class of 100 in the show and pompon sections. To the above, which may be termed formal classes should be added in liberal variety prizes for design and decorative work, arrangement for effect, plants in pots, general display, etc.

Furthermore, in a special exhibition every encouragement should be extended to the display of practical appliances for the growth, transportation, preservation or exhibition of the flower in question. should be greatly pleased to see in the columns of the American Florist any suggestions bearing on this subject. Provision ought to be made whereby the judges can make special award for a feature which is novel or of special merit. Prizes for new varieties of merit are always in order. Judges should be at liberty to withhold prizes from undeserving exhibits, and this fact should be clearly stated in the schedule that the disappointed aspirant may have no ground for complaint.

Section A should appear on the premium list of every agricultural or horticultural society in the country which holds a show at the proper season. The next step towards extending the schedule should be to add class 1 or class 3 in each section or both. Any further extension of the schedule would naturally follow in the same line. In classes 1, 2 and 3 of sections D and G not less than three blooms of a kind should be required, as individuals of the pompon and single varieties fail to do theniselves justice when standing alone, especially in the presence of more brilliant company. If desired classes brilliant company. If desired classes could be added for the cactus and Tom Thumb varieties of singles, the dwarf growing show dahlias, etc. In all classes except A named varieties should be a requirement. Several very interesting classes could be formed from a given number of a specified color as six or twelve white, yellow, searlet, etc., and such classes would be particularly instructive by bringing similar varieties into direct comparison. 11. F. Burt. comparison.

A BUDS AND BLOSSOMS EXCURSION is the latest idea in San Jose, Cal.

ELIZABLEH CITY, VA.-Mr. Jacquer is erecting a greenhouse at Albemarle Park,

Columnia, S. C., will celebrate its Spring Festival with a floral fair, April 21.

Altiaxer, O. The boiler room of the greenhouse belonging to J. F. Zimmerman find several feet of water in it during the recent floods.

Cimicorni, O.-The flood filled the furnace pit of Win McKellar's green-houses April 1. Serious loss of plants by chilling them was averted only by allowing the natural gas by which the houses were heated to burn on top of the water.

Wishson, Oxi. Mr. W. T. Maconn has been appointed horticulturist at the Central Lypernmental Farm. The executive committee of the Windsor, Sandwich and Walkerville Horticultural Society met last week to arrange for the season's distribution of plants and seeds.

#### THE AMERICAN FLORIST

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#### No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to se-cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE AMERICAN FLORIST has never been given to undignified or misleading editorial attacks. It may, however, with all modesty, invite comparison with any other paper in the trade as to those qualities which appeal to the intelligent reader. In the number and standing of its regular contributors, in the quality and quantity of its reading matter, in the mechanical excellence and pleasing ap-pearance, in the extent of its circulation and in bona fide and paid advertising, in fact, in everything which gives a paper value to its readers, it invites comparison. It stands ready at all times to satisfy any inquirer among its advertisers as to its circulation, which it has often printed and has reason to believe is greater than that of all other papers in this tradecombined.

#### The Impatience of Job.

Our modern Job seems to have lost some of the attributes of his ancient namesake. He actually appears to be out of patience lately, and all just because we, in the gentlest possible manner, applied a little caustic to his pet carbuncles.

Job says our statements are "ambigu-ons" and that we distribute "vague" information and that "we are another." Possibly our statements were a little vague, although Job seems to have caught our meaning quite well; but then, he may have had inside sources of information.

If Job will kindly call at our office any morning about 9 o'clock, we shall take pleasure in showing him a number of documents, etc., which will remove all ambiguity and vagueness, although we do not feel at all sure that some of them at least had not been in his hands before they reached ours.

By the way, Job should have examined our Easter number before he gave away all that cake-or was it dough, we forget.

#### The Plant-Food in Jadoo Fibre and Liquid.

At the present time considerable interest is being shown by florists in the use of materials known as jadoo fibre and jadoo liquid. Results of very diverse character are reported by those who have been using the materials. It may, therefore, be of special interest to learn the composition of these materials, so far as relates to the plant-food contained in them.

A chemical analysis in the laboratory of this station gives the following results:

|              |      | Per cent. of phos. acid. |      |
|--------------|------|--------------------------|------|
| Jadoo fibre  | 0,60 | 0.45                     | 0.13 |
| Jadoo liquid | 0.10 | t race                   | 0.33 |

The jadoo fibre shows about the same composition as the solid excrement of swine. Except in potash it compares favorably with good mixed stable manure. As to the availability of this plant food as compared with that of stable manure, we cannot speak definitely at present, but probably the latter is more readily utilized by plants.

The jadoo liquid apparently contains

about the same amounts of plant food as does dilute liquid manure, such as florists

commonly use.

I am not aware that any claim has been made to the effect that these materials are in any sense concentrated plant foods, and yet there is danger that this may be inferred. To any one disposed to use jadoo fibre and jadoo liquid as an economical source of plant food, the analysis given above will indicate the actual facts, so far as relates to the manurial composition L. L. VAN SLYKE.

New York Agricultural Experiment

Station.

#### Trans-Mississippi Exposition Notes.

Practically all of the space in the horticultural building has been assigned to the various seed and horticultural societies. There will be a large and beautiful assortment of palms and other decorative plants which will be used in decorating this and other exposition buildings

The exhibits for the lawns will be furnished by a large number of the best firms in the United States, among whom may be mentioned the following: F. R. Pierson Co., a very large exhibit of cannas: W. Atlee Burpee & Co., roses and cannas; Henry A. Dreer, three basins of aquatics; C. Vaughan, pansies and cannas; A. Blanc, geraniums and cannas; Hess & Swoboda, verbenas; Sunset Seed & Plant Co., sweet peas; E. C. Erfling, geraniums.

These exhibits will assure such a setting forth of bedding as has not been excelled on any exposition grounds in the United States. The special features consisting of a number of "Fruit Days," promise to be one of the great attractions of the Exposition.

The horticultural building is promised to the exhibition department ready for installation by May 1. All other Exposition buildings except the fine arts are completed and will be turned over to the exhibition department within ten days.

Mr. R. Ulrich has the grounds almost completely arranged for opening. He has done an immense amount of planting of trees and shrubbery and no florist or horticulturist will be disappointed in this feature of the Exposition.

The following should be added to the above list of exhibitors: W.W. Wilmore, dahlias; J. T. Lovett Co.,; Cushman Gladiolus Co.; L. L. May & Co.; and

W. A. Manda.

F. W. TAYLOR.

Hampstead, N. H.—A greenhouse belonging to A. D. Emerson was burned on the morning of Saturday, March 26.

CONNEAUT, O .- Mr. Henry Krueger, of Meadville, Pa., who has bought the Conneaut Floral Co., Ehrgott establishment, is an all round, up-to-date florist. He is a son of Mr. A. Krueger, the extensive florist of Meadville, with whom he has been associated in business. He will add new houses of larger and more modern facilities at the old stand of the Conneaut Floral Co., Main street, near Mill.

#### Greenhouse Building.

Mitchell, S. D.-E C. Newbury, addition

Oneida, N. Y.-Florist Grems, one green-

#### Hybrid Roses.

Hybrid roses that have done duty this Easter and are wanted for forcing a second season should not be roughly handled after the blooms are all cut from them; they need to be encouraged to make new wood for next season, and must therefore be kept growing for a while. If the soil has been washed away from the surface and the roots are exposed, it will help greatly to give them a top dressing of good live soil with a good sprinkling of bone meal; this will give them something to work on during the summer, and also prevent the sun from parching the roots. As soon as the weather is favorable, they may be placed outside and watered occasionally as they require it; but this must not be overdone-just enough to prevent the wood from shriveling.

To hasten the ripening of those that are needed for early forcing, towards fall lay the pots or boxes on their sides; this will prevent their being watered by rains place them under better control. Should the weather prove very dry, however, it will be well to play the hose on them occasionally. The plants required for later work should on the approach of severe weather be laid down in frames or beds and covered with straw or leaves, so that they can be handled at the proper

When ready to start them into growth again, which should be about fifteen weeks in advance of the prospective flowering period-of course, the length of time it takes them to mature depends greatly on the kind of weather we get, but it is not wise to figure on any less than fifteen weeks—examine the drainage of the pots to see that it is in good condition and then rub a little of the soil from the surface and give them a mulch of well rotted manure. In pruning we find it best to cut them back to about three eyes, and when they have started rub all the shoots off except about four to the plant, sometimes less if the plant is weak, but it is a sure thing that the more flowers the plant has to carry the shorter the stems will be. When starting, give them a thorough watering, so that the soil is thoroughly wet through, and place them in a temperature of 45°, allowing them to start as slow as possible. When they have made some growth, gradually increase the heat till an even temperature of 56° to 58° at night during the flowering period is maintained.

The most important item in growing hybrid roses is to see that they never become dry at the roots, as they need lots of water, or short stems and buttons of flowers will be the result. All sudden changes in the temperature must be avoided, but they delight in an even temperature of about 70 on bright days, with a current of fresh air passing through the house, and on dull days a temperature of 60 is best for them. When in full growth, give liberal applications of liquid manure two or three times a week. In starting fresh stock it is best to pot or box them in the spring and grow them on through the summer; they will then be well rooted by the time they are needed, and able to stand feeding more, giving better results.

C. W. Johnson,

A PORTRAIT of J. J. Harrison, of The Storrs & Harrison Co., with an interesting sketch of his life, appears in the National Nurseryman for April. Mr. Harrison was born in Kent, England, in 1829. The capital stock of the company is \$150,000 and the surplus \$47,000

#### Cincinnati.

The last week of the Lenten season closed with a good demand for flowers, in fact our storemen and wholesale houses report having had a brisk demand for choice stock all week and a small increase. The same can not be said of the market trade. Easter Saturday opened up bright and clear and the flower market on Sixth street was well worth a visit. All of our florists were on hand, and their stands were well stocked with choice plants. Deutzia crenata (an ideal Easter plant) made a good showing, but strange to say, moved slowly. Lilies were scarce the first part of the week and wholesaled at far better prices than could be realized on Saturday at retail; 75 cents for good plants was the top notch. Roses, azaleas and ferns were in the lead this season, while tulips, hyacinths, cinerarias and spiraeas were a glut and had to be sold at regular market price. Hydrangeas were not up to former years, and those sold looked pale and soft. The boys at the market report a decrease in value of at least 35 ... Mostly all of the stands had a good display at 10 p. m. Saturday, something unusual for Easter. The following were the ruling Easter prices at the market. Carnations 35 cents to \$1 per dozen. Roses, teas, \$1; hybrids, \$1.50. Narcissi. tulips, hyacinths and lilies of the valley, 50 cents per dozen, and lots of them were sold in the evening for less. There was evidently nothing new in the line of Eas-H. Schwarz. ter plants in market.

#### Providence, R. I.

Again we have passed the trying times of Easter week, and still live to tell the story. The weather was all that could be desired, up to Sunday morning when the April showers interfered somewhat with those who were not sold out on Saturday. On the whole trade was very satisfactory. Prices were all right and stock was fully up to former years in quality.

Carnations were a little shy as well as good violets. Roses were fairly plentiful. Bulb stock sold very well at former prices. As a rule the 25% advance caused by the tariff came out of the dealer. Bulbs in pots and pans were sold in place of bouquets, for cemetery use many preferred them to bouquets or cut flowers. General prices of carnations ran from 50 cents to \$1 per dozen. Roses from \$2 to \$1 per dozen. Some fancy roses brought \$5 per dozen

Geo. H. Tasker a well-known gardener here committed suicide by poison a few days since. Mr. Tasker was a very faithful conscientions man, but on account of il le 1th had been despondent for some time. He was about 60 years of age and leaves several children, his wife having died a boy years since

Some exil disposed person forced an entrance into the gecenhouse of Win. Appletor from the before Easter and abstracted therefrom a quantity of choice the ears to the amount of about \$25.

The eaviathers made an appropriation of \$2200 for an addition to their green house at the Yorth Burial Ground, it will

e of a all a struction about 20×100. Miss I barner Willard, of the Hope Greenhouse he the contract this season to furnish pears for the beds at Roger

tur general friend, Wm. Butcher has been confined to the house some weeks hat made a citery toget out Easter week to attend to the details of the week's COLITE RHOM.

#### New Orleans.

The ninth flower show of the New Orleans Horticultural Society has just closed at Odd Fellows Hall. As a floral exhibit it left nothing to be desired.

The grand collection of foliage plants and orchids belonging to Mrs. I. Richardson, and so ably handled by Mr. H. Papworth, was displayed in fine condition, together with a fine group of specimens from the Hernsheine estate. It made up probably the largest display of rare plants obtainable in the south.

The prizes were fairly divided between 11. Papworth, E. Valejo and Abel Bros. Special mention was given to J. St. Mard, J. Newsham and M. M. Lapouyade. C. W. Eichling won the first honor for floral design and for the best display of seeds and florists' supplies.

It is to be regretted that more of the commercial members of the association did not exhibit. Competition is admitedly the life of trade, and this applies no less in floral expositions, without it they will be dull and poorly attended. We cannot blame the public should they be indifferent, if among the florists themselves the same evident disposition exists.

Financially the show was not a success. The society will soon take action in regard to the November chrysanthemum show.

M. M. L.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1888 is entitled to a five-line wantady, free to be used at any time during the year.

SITUATION WANTED BY No 1 grower of roses, carnathons, violets and general run of cut flowers; married, 27 years' experience. References.

P. R. care American Florist.

SITUATION WANTED—Single age 30; grower of process carnations, manns, vi lets paints terms, etc.; qualified to take responsible position commercial or private. FA 11. care American Florist.

SITUATION WANTED-By good, all round green-liouse man, age 27: 10 years' experience (Hol-larder) Best of references. Can come at once, Address H. KLEINTARINK, Station A. Louisville, Ky.

OTTLATION WANTED As working forenian; good or one grower, propagator and general stock. References. Only those wanting good man and can pay over \$50 per month need apply. Address.

K.K. care American Florist.

SITUATION WANTED A m in 30 years of age, stagle, wants position in commercial place; good grower of roses, carnations, mains, pains and general stock. Best of references At theirty April 1 F 11 B, care American Florist.

STITUATION WANTED Private or commercial, by a tose grower (Beauty) cut flowers and general greenlouse stock. Can take full charge: strictly sober; nourfied, age ??—Eastern States. Address

BEAUTY, core American Florist

SCITLATION WANTED By practical florist, single: 5 10 years' experience, roses, carnathous violets; knowledge of floral work outdoor bedding etc.; competent in all greeninesse work. References Wages 8.0 per month. CAPABLE care American Florist

STILATION WANTED By a thoroughly practical gardener and flocist to take charge of private or commercial place. By t class rose grower and other floridated commercial and flot class private plages best of references, married Address. Prevence 12 Stock St. Bridgeport, Conn.

WANTED Afficient florist in commercial place; single 1, Corrie 622 4th Ave. Oak Park, III

WANT CD 2002 year old field grown Crimson Ram-blers, also yellow and white - Address tree A JOSLYS Omaha, Neb

WANTED. Two assistants in cut flower greenhouse establishment to do general work. Apply with references ability ofer storting salary expected. PORITY MANN HIGS. MOTOR Grove, III.

WANTED A good all around greenhouse man with experience in rose growing for cut flower market and first class references. Wite ANTE BROSE West Hoboken, N. J.

WANTLD Countlin grower only one thoroughly posted need apply, single man preferred, state waves and ref renews. MIDDLE STATES care American Florist

WANTED - AT ONCE-A florist, German and single; wages for the first two months \$20, and after that \$25, board and washing included. Steady work the year round.

A. SENFF, Menominee, Mich.

WANTED—At once, an all-around gardener for a summer respringerman preferred: single; wages \$75 a month, board and lodging; references required, Address Hotel Schwartz, Elkhart Lake, Wis.

WANTED—To rent a small florist establishment of four or five houses near either Philadelphia er Bosten, with privilege of buying same, if satisfactory, Address A B C. Madison Eagle, Madison, N. J.

WANTED-Six or eight good men for potting and assisting in the greenhouses; fair wages and steady employment given. Do not write, but make immediate application at the greenhouses to Hinsdale. BASSETT & WASHBURN, Hinsdale. Ill.

FOR SALE-Greenhouses on principal street in the city For particulars apply to J. H. REBSTOCK, 584 Main St., Buffalo, N. Y.

Two greenhouses with 21 acres of isnd in town of about 10,000, hetween two good markets, Buffalo and Rochester. Reason for selling, recent death of proprietor. Address

A. William, 27 Pearl St., Batavia, N. Y.

A. WILLIAM, 2. Fearl St., Batavia, N. Y.

FOR SAUE—The greenbouse establishment of Schiller & Kuske formerly Schiller & Mailander, is offered for sale at a great sacrifice; \$2000 will buy 2.18-20 acres of valuable ground, 25 greenbouses, comprising 56 (00 equare feet of glass; wells, 2 nice dwelling houses, steds, etc., located in the village of Niles Center, about 12 niles from the heart of Chicago; 13-cm lies to deput Terms, \$5500 cash, balance on time; investigate. Address correspondence to Poehlmann Brvs. Morton Grove Cook Co., 111., or Herman Schiller, \$20 W. Madison St., Chicago.

#### FOR SALE AT A BARGAIN.

A newly built but well established florist business of 10,000 feet of glass. Centrally located and well stocked. Sickness cause of wanting to sell. Address

BUSINESS, care American Florist.

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Six Greenhouses; about 14,000 feet of glass, well stocked; wholesale and retail; town of 4,000; no competition; less than one hundred miles of Chicago; two railroads. For particulars address

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VERY CHEAP.

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I offer for sale or rent my undivided halt interest of the real estate of the greenhouse property formerly known as Schiller & Mailander situated in the village of Niles Center, about 12 miles from business center of Chicago and 1½ miles from Morton Grove R. R. Depot. The property consists of 23 greenhouses; edwelling houses, barns, wells and necessary sheds on 2.920 acress of lard. Inv. sitiate. Price for inclivided built, \$1.50; terms \$1.000 rash, balance payable he seven yearly installments, secured by mortgars in the bearing 6 per cent interest. Or will rent or lease to some responsible party for a term of years at an annual rental of \$1.500 m giving option to lease to buy my larest of above stated price, provided that said lease will make reports the first year to the extent of \$1.000 Will acquire steed to property May 18. Address

#### MRS. B. KUSKE.

Care Paehlmann Bros., Morton Grove, Cook Co., III.

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#### Lexington, Mass.

SATURDAY, APRIL 30, 1898 AT 10 A. M.

All the plants on this large estate.

All the plants on this large estate. Azalens Rhodode holms: Pains. Bay Trees, Orange Trees, Rubbers. Each b. Holly. Hydrangens. Agaives, Dendrodanns. Coologyapes, etc., the Coologyapes of the Sussex collections of plants ever offered for jubble competition. Can be seen on and after April 26. Torius cash; deposit required. Trains leave Union Station. Roston, at 8-17, 19-17 and 10-17 x w.

Friday. April 29 no 10 y w. the furniture, paintings, chang, bare a brace see will be sold.

EDWARD HATCH, Auctioneer. 22 DEVONSHIRE ST., BOSTON.

#### Plants Under Benches.

ED. AM. FLORIST: Will you be good enough to inform us what is the best variety of ferns or other foliage plants to grow under benches for furnishing foliage?

I do not know of anything that could with confidence be recommended for the purpose as above indicated, for although ferns are natives of woods and shady nooks, they rebel against the treatment they would most likely receive beneath a table; besides they would be subject to the drip from the watering going on above which would carry down with it more or less dirt, giving the "green" a muddy appearance, thus rendering it anything but desirable to be used with flowers. The space beneath the tables may be used for storing lots of things which with judgment may be held in a semi-dormant state, but as a place to grow plants to furnish foliage to be used with flowers is hardly to be recommended. Has anyone tried Asparagus tenuissimus for that pur-pose? It is the only green that I know of that would be likely to thrive under the proposed conditions. If any reader can turnish the desired information for S. N. Co. it will be cheerfully published in these

HAUPT'S Louisville (Ky.) Floral Bazaar made up an immense floral fish for the American restaurant last week. The design was eight feet long on a base of palms and blooming plants, and we regret that a photo of it proves too indistinct to reproduce.

#### Cut Flower Price Lists Received.

\* Kennicott Bros. Company, Chicago; W. A. McFadden, Cincinnati; Wm. F. Kasting, Buffalo.

#### ASHES CHEAP. ALSO PURE GROUND BONE.

Write for prices CEORCE STEVENS, Peterborough, Ont.

| BUFFALO, ADIII 14.                   |     |      |
|--------------------------------------|-----|------|
| Roses, Beauties                      | 40  | 00   |
| " Brides, Bridesmaids, Meteors 4 00@ | -8  | .00  |
| " Perles 3 00@                       | - 5 | 00   |
| " Niphetos 5.00@                     | 15  | .00  |
| " Kalserin                           | 8   | .00  |
| Carnations extra                     |     | 00   |
| ordinary 1.00@                       |     | 00   |
| Llly of the valley 3 00@             | 4.  | .00  |
| Violets                              | 1   | 25   |
| Hyacinths                            | 3   | .00  |
| Harrisli 8 00@                       | 10. | 00   |
| Callas 7 000                         | 10. | 00   |
| Tallps                               | 3   | .00  |
| Daffodils                            | 3   | 00   |
| Pansles                              |     | 50   |
| Smilax.                              | 15  | .00  |
| Adjantum1.09@                        | Ĩ.  | . 25 |
| Asparagus                            | 75  | .00  |
|                                      |     |      |

to meution the

# OF SALE LORIS 19-21 E. RANDOLPH ST. CHICAGO

Strings 8 to 10 feet long,

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Consignments solicited

457 Milwaukee St., MILWAUKEE.

## Wholesale Flower Markets

| 0                              |               |
|--------------------------------|---------------|
| CINCINNATI, April 14.          | 4 00          |
| Roses, Brides                  | 4 00          |
| Bridesmaids                    | 4.00          |
| areteors                       | 5.00          |
| JIOIKAUS                       |               |
| Carnations                     | 1 50          |
| Datsles                        | 40            |
| ('attleyas                     | 50.00         |
| Dendrobium nobile              | 8,00          |
| Smtlax                         |               |
| Farleyense                     | 8.00          |
| Adlantum                       | 1.25          |
| Asparagus                      | 40.00         |
| C= T 0==0 1-11 14              |               |
| St. Louis, April 14.           | 3 00@35 00    |
|                                |               |
| Meteors                        | 3.00 a 10 00  |
| Brides, Bridesmaids            | 4.00@10.00    |
| renes                          | 5.00@ 6.00    |
| Kaiserin                       | 4.00@10.00    |
| Carnations                     | 1.00          |
| Violets, California            |               |
| Lily of the valley             | 2.60          |
| Harristi                       | 15.00         |
| Callas                         | 10 00         |
| Tulips                         | 3.0000 3.00   |
| Narcissus, Romans              | 1 (11/6) 2.00 |
| Smilax                         | 15,00@ 20.00  |
| Freesia                        | 2.00@ 2.50    |
| MILWAUKEE, April 15.           |               |
| Roses. Beantles                | 5.00/0.25.00  |
|                                | 6 00@ 10 00   |
| " Perle, Belle                 | 4 00@ 6.00    |
| " Meteors                      | 6 00@10 00    |
| Carnations                     |               |
| Violets                        | .75@ 1 00     |
| Romans                         | 3 00@ 4 00    |
| Lily of the valley             | 3,00@ 4.00    |
| Freeslas                       |               |
| Tullps. Hyacinths              | 3 00@ 4,00    |
| Von Sions, Jonquils            | 3.00@ 4.00    |
| Caltag Harright                |               |
| Calias, Harrisii               | 5.00@90.00    |
| Smilax                         | 0 000 20.00   |
| BUFFALO, April 14.             |               |
| Roses, Benuties                | 0.00@40 00    |
| " Brides, Bridesmaids, Meteors | 4 00@ 8.00    |
| " Perles                       | 3 00@ 5 00    |
| " Niphetos                     | 5.00@ 5.00    |
| " Kalserin                     | 4.00@ 8.00    |
| Carnations extra               | 2 00@ 3 00    |
| " ordinary                     | 1.00@ 2.00    |
| Llly of the valley             | 3 00@ 4.00    |
| Violets                        | .75@ 1 25     |
| Hyacinths                      | 3,00          |
| Harrisli                       | s 00@10.00    |
| Callas                         | 7 00(@10.00   |
| Tallps.                        | 2 00@ 3.00    |
| Daffodlis                      | 3 00          |
| Pansles                        | .40@ 50       |
| Smllax.                        | 15.00         |
| 4.3.                           | 1 00 0 1 05   |

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| 0-1111                         |                 |
|--------------------------------|-----------------|
| CHICAGO, April 15.             |                 |
| Roses, Beauties per doz, 1.00@ | ù3.00           |
| " Brides                       | 2.00@ 4.00      |
| " Meteurs, Bridesmalds, Kalse  | erin 2 00@ 4 00 |
| " Gontlers                     |                 |
| " La France. Testout           |                 |
| Carnations, common             | 25/3 2 00       |
| Carnations, common             | 2 00 5 5 00     |
| " fancy                        |                 |
| Violets                        |                 |
| Narcissus. Romans              |                 |
| Harrisil. Callas               |                 |
| Lily of the valley             | 2,00@ 3.00      |
| Tullps                         | 1,50(a, 4,0)    |
| Von Slone                      | 2.00            |
| Hyncinthe                      | 3,00@,6.00      |
| Adlantum                       | 500 1 00        |
| Autantum                       | 19 00-5-15 00   |
| Smtlax                         | 10 00 0 T5 0    |
| Asparagus                      | 30.00@ 10.00    |
| Pansies                        |                 |

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1 50 1 50 1 50 1 50 #12.50 12.50 BRIDESMAID PERLE METEOR AM BEAUTIES BELLE SIEBRECHT 12.50 12.50 20.00 12.50 1.50

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| JUBILEE          |  |  |   |  |     |    |   | 2 | . ( | 00   | 15.00  |
|------------------|--|--|---|--|-----|----|---|---|-----|------|--------|
| Wm Scott .       |  |  |   |  | . , |    |   |   | 1   | (10) | 7.50   |
| Nancy Harks.     |  |  |   |  |     |    |   |   | 1   | 00   | 7.50   |
| Tidal Wave .     |  |  | ÷ |  |     |    |   |   | -1  | 00   | 7.50   |
| Portla           |  |  |   |  |     |    |   |   |     | DO   | 7.50   |
| Lizzle McGownn   |  |  | , |  |     |    |   |   | 1   | .10  | 7.50   |
| Goldfinele.      |  |  |   |  |     |    |   |   |     | 10   | 7.50   |
| Mrs. Thompson    |  |  |   |  |     |    |   |   | -1  | 100  | 7.60   |
| 1 ta y breezk    |  |  |   |  |     | ,  |   |   | - 1 | DO.  | 12.30  |
| Emma Wocher      |  |  |   |  |     |    |   |   | -1  | .30  | 1.1.50 |
| Meteor.          |  |  |   |  |     |    |   |   | 1   | 60   | 12,50  |
| Lizzio Gilbert   |  |  |   |  |     |    |   |   |     | 50   | 12,50  |
| Harrison's White |  |  | i |  | ,   |    |   |   | l   | (M)  | 14,50  |
| Hrideemald       |  |  |   |  |     |    |   |   | 1   | 50   | 12.56  |
| Nivea            |  |  |   |  |     |    |   |   | -33 | DKL  |        |
| Flora HIII       |  |  |   |  |     | Ì, | ì |   | 1   | Dit  | Go. 00 |

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| Roses Beautles. Hybrid 6 00@ 25 0             | X  |
|-----------------------------------------------|----|
| " Jacqs 4.00@ 8.0                             |    |
| " Brid, amaida, Testout, Carnot 2.00@ 6.0     | X  |
| " Morgans, Meteor 2.00@ 5 0                   |    |
| Carnationa 1 00@ 1 5                          |    |
| " fancy 1 50 a 3 0                            |    |
| Llly of the valley 2 (00 a, 3.0               | X  |
| Mignonette 2.00@ 4.0                          |    |
| Daffodlla, Tullps 1 50@ 2.0                   |    |
| Vloleta 50@ 1 0                               |    |
| Harrisil, Callas 4.00@ 5 0                    | ı  |
| Asparagus 40.00 & 50.0                        | I  |
| BOSTON, April 13                              |    |
| Roses Beautles                                | ĺ  |
| " Brunners 6.00@25.0                          |    |
| " Morgan, Meteor                              |    |
| " Brides, Bridesmalds, Carnot 2 00@ 8 (       | (  |
| Carnations                                    | K  |
| " fancy 2.00@ 4 0                             | ķ  |
| Lily of the valley, Daftodils Tulips 1,00@ 20 | Ħ  |
| Vloleta 50@ 7                                 | į  |
| Harrisil, Calla 2.000 6.0                     |    |
| Asparagus 50 0                                | K  |
| PHILADELPHIA April 13.                        |    |
| Roses, Beantles, select, per dozen3.00        |    |
| " medium 6.00@15.0                            | ı( |
| " Brunners 16 (0) a 35 (                      |    |
| " Teas + (00% 12 t)                           | ŧ  |
| Carnationa 1 00@ 2 0                          | H  |
| fancy                                         | K  |
| Lily of the valley, Narclasus 3 00@ 4.0       | H  |
| Vlolets                                       | 1  |
| Vlolets                                       | H  |
| Harrish S.00@10 0                             | €  |
| Sweet peaa 1 00@ 2 0                          | h  |
| Smllax 12.00@ 15 0                            | H  |

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#### Floricultural Nomenclature.

The nomenclature committee of the Society of American Florists is desirous of laying before the society any cases of misnaming or double naming of plants handled by the American trade, which ought to be considered by the society. Any cases coming under the jurisdiction of this committee should be reported to the undersigned not later than the first of July, with full indication of the circumstances and the parties involved.

William Trelease, Chairman. Mo. Botanical Garden, St. Louis, April

1. 1 - 11 -

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appeloper Ampeloper Spown plant to be end for Spown plant to be end for Su 000 California Privet Transplanted, over a fine 1000 Slaubs, 10 varp thes for \$4000 Chine of Evergreen Honeysnekh

\$6 10 per 1000 of hards Theoretholps 10,000 the arts. He would be still a series with

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| Anthericum Lillastrum (St. Bruno's Illy) \$5.00  Achillea, The Pearl \$5.00  Achillea, The Pearl \$5.00  Adon's Verrails 12,00  Apprenaica \$10  Anemone Japonica Alba, 2½-inch pots \$5.00  Elegans, 2½-inch pots \$5.00  Whirlwind 2½-inch pots \$6.00  Aquilegia Cerulea 3-inch pots \$6.00  Chrysantha, 3-inch pots \$6.00  Canadenis 3-inch pots \$6.00  Acters (Michaelmas daisles) in 6-choice varieties 8.00  Boitonia Asteroides \$6.00  Latisquama \$6.00  Becconla cordata \$6.00  Cutta Palustris (Marsh Marlgold) \$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Achillea, The Pearl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Adonis Vernalis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pyrenalca                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Elegans, 24-Inch pots 5 (8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| " Pennsylvanica, 2 <sup>1</sup> 4-inch pots 4 (8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Aquilegia Cerulea 3-inch pots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| " Canadensis 3-inch pots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Asters (Michaelmas daisles) in 6 choice varieties . 8 (0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Boltonia Asteroides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Becconla cordata. 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Casta Marilandica (Americ in Senna)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cassia Marilandica (Americ in Senna)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Carpatblea, blue and white 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cassa Mathanida (America Sedua)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pyramidalls 12.00 Coreopsis Lanceolata, strong clumps 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Coreopsis Lanceolata, strong clamps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Coreops's Lanceolata, strong clumps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dictamnus Fraxinella Alba, strong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Rubra, "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| D rontcum Excelsum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Euonymus Radicans Varlegata, l year old 6 (0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Eupater um Coelestinum 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alba. 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gyp ophila Paniculata. I year old                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gaillardia Grandidora, 3-inch pots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Henchera Sangulnea 21-In, pots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Eupate rum Celestinum   6.00     Furkia Ceruliea str ng                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " Maximimana 6 00<br>" Mollis 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Rigidus. 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fulva                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " Aurantiaca Major (new)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Holly books in separate colors. August seedlings., 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Holly hocks in separate colors. August seedlings. S.00<br>Hypericum Moss rlunnus, strong one year old 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hollyhecks in separate colors. August seedlings. S.00<br>Hypericum Most riunum, strong one year old 5.00<br>trico orum, strong I yr. old. 20,00<br>Iris Germanica, 12 distinct varieties 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Holly hocks in separate colors. August seedlings. S. 00 Hypericum Most riunum, strong one year old 5. 00 trico orum, strong i yr. old. 20, 00 Iris Germanica, 12 distinct varieties 6. 00 Cholce mixture 4. 00 Kæmpferl. 25 tine named sorts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hollyheeks in separate colors. August seedlings. S. 00 Hypericum Most riannm, strong one year old 5,00 trico orum, strong if yr. old,20,00 Iris Germanica, 12 distinct varieties. 6,00 choice mixture. 4,00 Kæmpferi, 25 dine named sorts. 10,00 choice mixture. 5,00 Orientalis. 8,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Holly hocks in separate colors. August seedlings. S. 00 Hypericum Most riannm, strong one year old 5,00 Tris Germanica, 12 distinct varieties 6,00 Cholce mixture 4,00 Kæmpferi, 25 tine named sorts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Rights   5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Hollyhoeks in separate colors. August seedlings. S. 09   Hypericum Most rinnin, strong one year old 5. 00   Irls Germanlea, 12 distinct varieties. 1 (2.0, 2.0, 2.0)   S. Colore Mixture 4. 10   Kæmpferl. 25 fine named sorts 11. 01   Orientalis 6. 00   Orientalis 6. 00   Viscaria Alba Plena 10. 08   Splendens 8. 08   Lobella Cardinalis 6. 00   Lyshnichis Clethriddes 6. 00   Lyshnichis Clethriddes 6. 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hollyhocks in separate colors. August seedlings. S. 00 Prypericum Most rinnum, strong one year old. 6,00 Irls Germanica, 12 distinct varieties. 1 (6,00) S. Colores Mixure. 4,00 S. Kampferl, 25 fine named sorts. 11,00 Colores Mixure. 5,00 Colores Mixure. 5,00 S. Colores  |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.B. Lobella Cardinals 6 00 Lyshmechis Cethroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8,00 Monarda Didyna 5,00 Monarda Bidyna 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spiencens S.19 Lobella Cardinalls 6 00 Lyshmachia Ctehroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8 00 Monarda Didyna 5 00 Kasea 6 00 Chothera Frasert (Evening Primrose) 6 00 Spiencens 6 00 Missourients 6 00 Missourients 6 00 Plaks Hardy Scotch 5 varieties clumps 6 00 Plaks Hardy Scotch 5 varieties clumps 6 00 Plaks Hardy Scotch 5 varieties 2-in pots 3 00 Platycodou Grandiflorum strong clumps 6 00 Maricel, strong clumps 8 00 Liconias Japanese tree varieties 12 line sorts 50.00 Herbaceous, I'd distinct colors 5 00.00 Herbaceous, I'd distinct colors 5 00.00 Tenutiolia 6 00 Tenutiolia 10 00 Tenutiolia 10 00 Tenutiolia 10 00 Phiox 25 varieties 2-in pots 30.00 Phiox 25 varieties 2-in pots 6 00 Phiox 25 varieties 3-in pots 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Spiencens S.19 Lobella Cardinalls 6 00 Lyshmachia Ctehroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8 00 Monarda Didyna 5 00 Kasea 6 00 Chothera Frasert (Evening Primrose) 6 00 Spiencens 6 00 Missourients 6 00 Missourients 6 00 Plaks Hardy Scotch 5 varieties clumps 6 00 Plaks Hardy Scotch 5 varieties clumps 6 00 Plaks Hardy Scotch 5 varieties 2-in pots 3 00 Platycodou Grandiflorum strong clumps 6 00 Maricel, strong clumps 8 00 Liconias Japanese tree varieties 12 line sorts 50.00 Herbaceous, I'd distinct colors 5 00.00 Herbaceous, I'd distinct colors 5 00.00 Tenutiolia 6 00 Tenutiolia 10 00 Tenutiolia 10 00 Tenutiolia 10 00 Phiox 25 varieties 2-in pots 30.00 Phiox 25 varieties 2-in pots 6 00 Phiox 25 varieties 3-in pots 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Spiencens S.19 Lobella Cardinalls 6 00 Lyshmachia Ctehroides 6 00 Lythrum Roseum Superbum 3-ia, pots 8 00 Monarda Didyna 5 00 Kasea 6 00 Chothera Frasert (Evening Primrose) 6 00 Spiencens 6 00 Missourients 6 00 Missourients 6 00 Plaks Hardy Scotch 5 varieties clumps 6 00 Plaks Hardy Scotch 5 varieties clumps 6 00 Plaks Hardy Scotch 5 varieties 2-in pots 3 00 Platycodou Grandiflorum strong clumps 6 00 Maricel, strong clumps 8 00 Liconias Japanese tree varieties 12 line sorts 50.00 Herbaceous, I'd distinct colors 5 00.00 Herbaceous, I'd distinct colors 5 00.00 Tenutiolia 6 00 Tenutiolia 10 00 Tenutiolia 10 00 Tenutiolia 10 00 Phiox 25 varieties 2-in pots 30.00 Phiox 25 varieties 2-in pots 6 00 Phiox 25 varieties 3-in pots 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Spiencens S.B. Lobella Cardinalis 6 00 Lyshmechis Clethroides 6 00 Lythrum Roseum Superbum, 3-in, pots 8,00 Monarda Didyna 5,00 Rosea 6,00 Chothera Frasert (Evenling Primrose) 6,00 Spiencens 6,00 Missourients 5,00 Missourients 6,00 Pardantinus Sinensis (Blackberry Lily) 3,00 Pinks, Hardy Scotch, 5 variettes clumps 6,00 Pinks, Hardy Scotch, 5 variettes clumps 6,00 Superbus 6,00 Platycodon Grandiflorum strong clumps 6,00 Marlesh, strong clumps 8,00 Lironins, Japanese tree variettes, 12 line sorts 5,0,00 Herbaccous, 12 distinct colors 5,00 Herbaccous, 10 floring 10,00 Tenuffolia 1, 10,00 Tenuffolia 1, 10,00 Tenuffolia 1, 10,00 Philox, 23 variettes, 24 in, pots 6,00 Submitta Kosea 1,00 Pupples, technd 24-in, pots 6,00 Pupples, technd 24-in, pots 6,00 Physician 4, 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Spiencens S.19 Lobella Cardinalis 6 00 Lyshmachis Cethroides 6 00 Lythrum Roseum Superbum, 3-in, pots 8,00 Monarda Didyma 5,00 Rosea 6,00 Chothera Frasert (Evenling Primrose) 6,00 "Missourlemis" 6,00 "Missourlemis" 6,00 Pardanthus Sinensis (Blackberry Lily) 3,00 Pinks, Hardy Scotch, 5 varieties clumps 6,00 "Svarleties 2-in pots 35,00 Pinks, Hardy Scotch, 5 varieties 2-in pots 3,50 Piatycodon Grandiflorum strong clumps 6,00 Laconius Japanese tree varieties, 12 fine sorts, 50,00 Herbaceous, 12 distinct colors, 50,00 Tenufolia, 10,00 Tenufolia, 10,00 Submitta It sea 12,00 Submitta It sea 10,00 Submitta It sea 10,00 Submitta It sea 10,00 Pipies Icchand 21-in, pots 6,00 Pipiese Icchand 21-in, pots 6,00 Pinnspago Larpenta strong clumps 6,00 Pinnspago Larpenta strong clumps 6,00 Pinnspago Larpenta strong clumps 6,00 Piotenthus, 4-in pots 6,00 Pinnspago Larpenta strong clumps 6,00 Pinntphas, Inch ce mixture, strong 6,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Spiencens S.B. Lobella Cardinalls 6 00 Lyshnachis Clethroides 6 00 Lyshnachis Clethroides 6 00 Lyshnachis Clethroides 6 00 Lyshnachis Clethroides 5 00 Monarda Didyna 6 00 Rosea 6 00 Chothera Frasert (Evening Printrose) 6 00 Spiencens 6 00 Missourients 6 00 Plathroides 6 00 Plathius Sheneist (Eluckberry Lily) 3 00 Plathius Sheneist (Eluckberry Lily) 3 00 Plathius Sheneist (Eluckberry Lily) 3 00 Platycodou Grandiflorum strong clumps 6 00 Maricela strong clumps 8 00 Lirontas Japanese tree varieties 12 fine sorts 50 Herbaceous, I'd distinct colors 5 50 Herbaceous, I'd distinct colors 5 50 Herbaceous, I'd distinct colors 5 50 Tenuitolla 1 pl. 20 00 Othelanlis double white 20 00 Chiclanlis double white 5 00 Submitta I 6 sea 40 Submitta Losea 40 Playricata Canadensis, 24 in pots 60 Pupples, tecland 2 1 in pots 60 Othelanlis 4 10 Playricata Canadensis, 24 in pots 60 Physiosteph Virginica 60  |
| Spiencens S.B. Lobella Cardinalls 6 00 Lyshnachis Clethroides 6 00 Lyshnachis Clethroides 6 00 Lyshnachis Clethroides 6 00 Lyshnachis Clethroides 5 00 Monarda Didyna 6 00 Rosea 6 00 Chothera Frasert (Evening Printrose) 6 00 Spiencens 6 00 Missourients 6 00 Plathroides 6 00 Plathius Sheneist (Eluckberry Lily) 3 00 Plathius Sheneist (Eluckberry Lily) 3 00 Plathius Sheneist (Eluckberry Lily) 3 00 Platycodou Grandiflorum strong clumps 6 00 Maricela strong clumps 8 00 Lirontas Japanese tree varieties 12 fine sorts 50 Herbaceous, I'd distinct colors 5 50 Herbaceous, I'd distinct colors 5 50 Herbaceous, I'd distinct colors 5 50 Tenuitolla 1 pl. 20 00 Othelanlis double white 20 00 Chiclanlis double white 5 00 Submitta I 6 sea 40 Submitta Losea 40 Playricata Canadensis, 24 in pots 60 Pupples, tecland 2 1 in pots 60 Othelanlis 4 10 Playricata Canadensis, 24 in pots 60 Physiosteph Virginica 60  |
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# HENRY A. DREER

714 Chestnut St., PHILADELPHIA,

A Drummer's Twaddle. It came, Easter, and while it is but freshly recorded on time's scroll of the past and before its flowers have scarcely withered we can write rejoicingly of propitious weather, thronged religious celebrations, artistic displays of hats and gowns and towering loads on loads of flowers. Religious ceremonies, fashion's display and the crowning work of the florists have been observed, enjoyed and in a season of most perfect weather, and taking a sordid view it was most prosperous for the florist. We belive the summing up will show no better Easter record than the one just The blizzard of the early part made. of the week made misgivings, but it was only the lion which went out as the lamb at the latter end, making happier and brighter scenes at the windup. Even rumors of "grim visaged war" did not break in on the observances of the season nor detract perceptibly from its glory, nor tighten the purse strings of the public. Everything in the shape of plants and flowers went with a rush at good prices. Lilies and carnations, especially the latter, being hardly obtainable at \$4 to \$5 per 100, with lilies ranging all the way from 6 to 8 cents for poor, to 12 and 13 cents for good, and would have brought more if asked on Friday and Saturday market days, and we hope your reports from all points will show similar healthfulness of the Easter market, and that the florists will have many "pretty pennies" to count, and will now sober up from the whirl of a busy week—nothing stronger implied—and be ready for the onslaught of the drummers who will literally spring from the ground and spread over the land with their accustomed energy. The trade will be enabled to study ethnological pecularities of this class, growing more and more cosmopolitan of late, so that now we have them from "Yurup, Arup, Irup, and Orup," all bent on squelching the simon pure, irrepressible and irreproachable United States drummer, who asks no intervention or protection, but only a chance to be heard for his cause. He will be here and can be found when customers want to exercise their American prerogative of kicking, and while he stands up against the wall-with eyes askant the dog kennel, mentally estimating the strength of Towser's almost too fragile chain, and meekly listens to complaints of this, that and the other, of things of which he is as irresponsible and guiltless as the far away manin the moon-oceans will divide you and the foreign fellow and there is no satisfaction in such long-distance kicking. As Falstaff said, "Give me a man who can face me," and for this consideration these pilgrims claim good will for him who is with you "in the warmth of summer and the coolth of winter," pushing home enterprises, and who is known the country over for his "chin" and commercial achievements.

New York. EDDY.

#### "Eastertide."

Under this title the Chicago Tribune delivers itself on Easter Sunday of an article from which we clip the following:

article from Which we clip the following:

The best Easter lily comes from New Jersey.

The bell is larger and more on one stem than the native lily of Illinois. The long journey which these flowers take requires careful packing. Each banch is wrapped separately and there are twenty-five blossoms in a bunch. The stems are wrapped in wet cotton, surrounded with oiled paper. Smilay, daffodils, and hyacinths are natives of the South. The jasunine is also a southern flower, but comes later in the season. Islaes, tulips and carnations are grown in the local nurseries. With the exception of that of California,

it is said the Illinois carnation is the best in the world.

world.

Nearly 70 per cent of the retail flower dealers in the city are Greeks. There are some Italians, but not many. Formerly the Greek flower vender invested what little money he had left after his arrival in America in red and vellow roses, violets and carnations, selected a street corner, and straightway became a merchant. The business is a good one, and the profits so large that the dealer can rent a large store on the ground floor of a business block where rents are highest.

NEW BEDFORD MASS.—A boiler at Mr. Rennix's greenhouses on Union street blew out on April 3, flooding the pit and extinguishing the fire. The stock suffered much by exposure to cold during repairs.



Large Field-Grown Roots in ali the Leading Varieties \$5.00 to \$7.00 per 100.

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Before ordering your Dahlla stock be sure and send for my catalogue of novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

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#### ''Golden Glow' (HARDY)

Excellent for cut flower purposes in late summer. Strong plants, \$6.00 per 100; \$40.00 per 1000.

IRIS KAEMPFERI strong clumps in ten to color. \$1.00 per doz.; \$6.00 per 100.

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Flowers greatly superior to those of all to other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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FLORISTS' MUTUAL

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#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Viceres., S. F. Willard, Wethersfield, Conn., Sec'y and Treas.

THE seed trade reports poor business for the past ten days. The early season showed such an increase that very hopeful views were indulged in, later results show a material falling off for the middle

LILIUM LONGIFLORUM is being grown more extensively in Japan doubtless owing to the American demand. As a result of this it is said that the planting of L. auratum has been reduced and prices on them will be higher.



A Model Seed Grower.

The late Thomas V. Maxon, who died this home. Adams, N. V., October 31, 1897, after a short illness, was widely known in the seed tradecircles of this and ather countries. He was born in Peter-orough N.A. March 24, 1823, and was caused on a farm. As a young man he taught school several terms. He married in 1842 and soon after moved to Adams, where he loonght a farm which in succeedegan the dismess of scedgrowing about 1855 in counce from with James M. Cleve and . The partnership continued only a cost time business alone until the time of his death. He was one of the best informed, but has need the same parted no effort or expense this time are eparted no effort or expense to have his good of the best quality given by repetation for the greatest are given in . The decomps both at home and a rood and for evange the principle that the local arrece is the cheapest and reacher a code of a ranging of the part of the local state. So effects and less thanks the Agriculture Society and 1855 mero mortion with James M. Cleve.

See Year State Agence terral Society and ned the poor to as disopern tendent of catthe specifical while is not a rively for over two its constant of the actions as president of the letters in the unit. Agent altural Society All are of pure the permitted from friend

ship, and always ready by word or deed to help his friend or neighbor, he will be remembered by many in the seed trade as a model seed grower. W. H. Grenell.

MINNEAPOLIS, MINN.—S. Y. Haines writes April 11: The outlook for the mail seed trade from our standpoint is a "dead duck in the pit." The blue jay and robin redbreast are now singing the funeral dirge of the season, which is a phenomenally short one. While February and March showed a good gain over last year, April now shows a larger proportion of loss against April of last season. To size up the situation, we do not believe the mail order houses will average as large a business as last year. Those who were in the field early may make a fair were in the held early may make a fair showing, but the boys who came into the fight late are very likely to come out minus a profit. Counter trade for the retail establishments should be good, for the market gardeners appear to be buying liberally this spring.

Ballston Spa, N. Y.—Olof Peterson recently employed by John Shafer, has purchased a greenhouse at Round Lake.

RAFFIA BEST QUALITY, LONG MADAGASCAR Having purchased on a very tavorable stock quickly, make the following special low quotations for prompt orders.

orders. - In bale lots (about 225 lbs.) at 8c 

Grafting Wax

Trowbridge's Celebrated Grafting Wax, the genuine article, 1 lb, bars at 21c per pound. Relates: 10 lb, lots 5 per cent, 25 lb, lots, 10 per cent, 50 lb, lots, 15 per cent, 100 lb, lots, 10 per ce

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ITPORT ORDERS booked now for forcing Binlis, Azaleas, Lily of the Valley, etc., for fall delivery; send for terms to

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New Giant Fancy Cosmos, six splendid varieties, separate, \$1 oz.; Giant Cosmos, splendid varieties, separate, \$1 oz.; Giant Cosmos, splendid unived, 65c oz.; Calliopsis "Califorma Sanbeams." \$1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh, \$1 per 1000 seeds; New Large Plowering Zonale Geranium, \$2.50 oz.; Ipomaa, "Heavenly Blue," \$1 oz. \$12 lb.; Laurustinus grandiffora, \$1 oz.; Zinnas, "New Curled and Crested," 50c oz.; \$5 lb.; Nasturtium Good Venture Mixture, 60c lb.; \$8 per 15 lb.s.; Seaforthia eleganic (Palm) 40c per 100 seeds, \$3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Caetimas, Caetimas

MRS. THEODOSIA B. SHEPHERD.
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#### St. Paul.

easter trade good.—sales 25% to 40%BETTER THAN LAST YEAR. - SUPPLY EQUAL TO DEMAND —CALL FOR COLORED FLOWERS. - SPECIAL DISPLAYS .- VISI-

Easter trade was good, better than for several years as reported by all we have several years as reported by an we have seen, and in the aggregate much better than ever. The money value of sales was anywhere from 25% to 40% larger than last year. Prices were about the same though good lilies sold at a higher figure. The weather was perfect, and conditions for delivering plants were just right. for delivering plants were just right.

There was enough good stock to go round, with but little left over. The only noticeable shortage was in violets and carnations. Cut flowers were in big demand.

Retail prices were as Iollows: Roses, \$1.50 to \$2.50 per dozen; Beauty, \$4 to \$9; carnations, 75 cents to \$1; lilies, \$3; valley, tulips, etc., 75 cents; violets, \$2 to 83 per 100. Smilax was scarce, but an abundance of asparagus and some wild smilax and ferns helped to make up the deficiency. Several large consignments of roses and carnations were received from the east, all in good shape, and for once the grower did not pickle his stock to any great extent. In the plant line nearly everything sold well. Azaleas went well. Hydrangeas, well done and nicely colored were the freest sellers of any, though this stock was somewhat limited in quantity.

One very noticeable feature in this year's trade was the call for colored flowers, both in cut blooms and plants. Bulbous stock in general sold slowly. While cut blooms of tulips, daffodils, etc., are very handy in filling boxes of assorted flowers, their day of usefulness is drawing to a close, and in a few years more will be discarded entirely. If this prediction proves true, what will our Dutch friends use for a dumping ground?

Orders were for larger amounts than last season. Shipping trade was never

better.

The church decorations here were not claborate. Lilies and palms constituted the bulk of the stock used in the wealthday schools gave small plants as souvenirs to the children, a very pretty custom, and one which will benefit the florist in many ways.

Aug. S. Swanson had a special Easter display in an elegant store on East Sixth street. L. L. May & Co. had an elegant display in their store and conservatory.

Chris. Hansen had his large store quite well filled with lilies, palms, etc. Holm & Olsen had their usual display of good things and an exceptionally fine trade. E. F. Lemke had a good stock of every-thing desirable and sold out early.

Dr. R. Schiffmann has returned from an extended Central American trip, where he went to look for orchids, his favorites. He secured some specimens of Lælia autumnalis and others of that family. The day of his return was signalized by his nomination for mayor on the Citizens Democratic ticket. We hope to record his election.

Mr. Waarnar, of Van Heemstra & Co., Holland, was a pleasant caller during Easter week, also Mr. Kuppers, repre-senting Wm. Hagemann, of Philadelphia. FELIX.

WASHINGTON, D. C.—The Post says Florist J. R. Freeman has been robbed by two employes, Richard Scrivener and Frank Hutton. They have been arrested and have confessed.



# **WAR PRICES!**

Here's a chance for you to buy staple goods and get double value for your money. & We must make room for a big line of unmatchable novelties soon to arrive, so down go the prices on & & & & & & &

American Beauty Vases in many shapes. China Jardinieres and Ferneries Metal Work and Artificial Flowers Baskets in great variety.

WE are cleaning out balance of the season's stock as rapidly as possible.

JUST RECEIVED New Cape Flowers



Extra large and extra white. A limited stock only. Heavier invoices are on the way. Prices on application.

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## SMALL GREEN For use with.... VIOLETS

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Galay Leaves, Cut Palm Leaves, bouquet green, Moss (sphagnum and green), Laurel Roping, Ximas Trees; overything in the green line always in stock at

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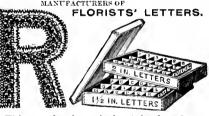
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This wooden box nicely stained and var-nished, 18x30x12 made in two sections, one for each size lefter, given away with first order of 500 letters.

Block Letters, 1 ½ or 2-inch size, per 100, \$5.00. Script Letters, \$4. Fastener with each letter or word. Used by leading thorists everywhere and for sale by all wholesale florists and supply dealers.

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2 AND 4 DOMINICK STREET,

New York.

#### Northampton, Mass.

The third spring exhibition of the Northampton Horticultural Society opened under adverse circumstances, a howling wind and 6° of frost making the moving of plants anything but pleasant, but the big four managed to get up an exhibition which, though somewhat smaller than its predecessors, lacked nothing in quality and compared favorably with previous efforts. As usual, Mr. McGregor was the largest contributor and made a fine display of azaleas, cinerarias and bulbous stock; in carnations his seedlings excited considerable attention and two vases of Eldorado were superb. Clean healthy foliage, long stiff stems and blooms that measured three to three and one-half inches proved that this variety can be grown with good results. Mr. Canning, of the Botanic Garden, made a fine display consisting of marguerites, narcissi, hyacinths, etc. A nice plant of Tropæo-lum tricolorum occupied a conspicuous position; the narcissi and hyacinths were extra good. Mr. Alex. Parks filled four tables with a well-arranged assortment of azaleas, cytisus, calceolarias, spiræa, etc; he also showed some good blooms of Scott, Tidal Wave, Alaska and a pink sport from Scott, lighter in color, but larger and of better form. The N. L. Hospital made a display of spring flowering plants, including geranium Mars, which several florists pronounce an old variety renamed. On account of the inclemency of the weather, only three amateurs made exhibits of House partitions.

better luck next time.

G. W. THORNILEY. exhibits of house plants. Let us hope for

ALLENTOWN, PA.-G. A. Ellsworth has moved his flower store from 726 to 522 Hamilton street.

Norwich, Conn.—Herman Appeldorn, of this city, on Tuesday, purchased the greenhouses, dwelling and barn on Sherman street. New London, heretofore occupied by William E. Pendleton, and will continue the business.

#### Beerhorst... & Van Leeuwen GROWERS SASSENHEIM, HOLLAND.

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We see a America until May 18th. Please address letters to

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#### Lisse and Heemstede, Holland,

is on his round trip through the United States. To spare time, we beg to send all letters and communications up to May 15, care of

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Give us the list of your wants and we will send you our lowest quotations for real good stuff.

# ULBS FOR FLORISTS... FOR SEEDSMEN.

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## JAPANESE PLANTS,

BULBS, ETC.

At lowest prices. Small orders filled from experimental garden Columbia Road Dorchester, Mass. Wholesale catalogue, 1878 free to the trade.

JAPANESE NURSERY.

Office: 272 Boylston St., **BOSTON, MASS** 

# IMPORTERS!

HAERENS BROS. From SAMERGAN near Ghent, Belgium

SPECIAL Growers and Exporters of Aza-leas, Palms, Araucarias and other SPECIAL Grawers and Exporters of Azaleas. Falms. Aranearias and other decorative plants, take pleasure to inform you that their Mr. Ara. HARRESS is now on his animal visit through the United States. The stock he offers is immense, of hest quality and at most reasonable prices. Their New Azaleas will be the favories of the luture. Write for price list and special offer until May 10th.

AUGUST HAERENS CARL OF .... VANDERGRIFT CO. 66 Beaver St., New York City.

BEST **QUALITY** 

# Holland Bulbs

LOWEST **PRICES** 

# JAC. WEZELENBURG

SASSENHEIM, HOLLAND.

Address up to May 1 in care of KNAUTH, NACHOD & KUHNE, 13 William St., NEW YORK. 🗻 🞿



# Lilium Longiflorum

## JAPAN GROWN

The stock of Japan Grown LILIUM LONGIFLORUM which we supplied last season has given excellent results as our many customers who grew them will testify, and we believe it will pay EVERY FLORIST who grows

lilies for Easter and summer trade to plant at least one half of his crop with these Japan Longiflorum for the following reasons:

- I. They have shown comparative freedom from disease.
- II. Their good keeping qualities and strong substance of flower.
- III. They can be brought into bloom for Easter if planted in proper season.
- IV. Moderate cost.

We will be in position to make earliest possible delivery and can now quota advantageous prices.

Prices of L. Harrissi and all other Forcing Bulbs on application.

CHICAGO:

# VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

HEADQUARTERS FOR

"FANCY" BULB STOCK AT REASONABLE PRICES.

THE LILY TO GROW FOR EASTER SALES

#### Are Asparagus Names Meaningless?

ED. AM. FLORIST: Will you kindly come to the relief of at least one florist who desires very much to know which is what? Lordered a few dozen plants of Asparagus plumosus nanus from one of the best companies and was much pleased with them when they came. But now I find a number of them want to get up to the glass, and seem to plead for a good twine to help them. I also sent to another good house for seed of A. plumosus nanus and behold an altogether different variety. In the first case I got what I should call A. plumosus, the climber; in the latter I got what I should call A. tennissimus, also a climber. In both cases I wanted the pot plant. Now, if nanus means anything it means dwarf, or the pot plant. I see A. plumosus nanus strings eight to ten feet long advertised, peculiar dwarf I was told by another company that they had ordered from six different houses and each time got mixed plants. I failed to take a good order because I could not assure the party that I had the nanus. Surely there is no excuse for this confusion, and dealers should be sure that what they send is exactly what is ordered. Please give us a little light on this subject. St. Cloud. Minn. E. V. CAMPBELL.

#### Worcester, Mass.

Good weather, plenty of plants and flowers and all the business we could handle, is the Easter story in a nutshell. It is encouraging to note that in spite of the general depression in business and in the face of an impending war, we can report a considerable increase in business compared with that of last year. Contrary to my anticipations, the supply of lilies was fully equal to the demand, the warm and sunny weather helping to get in some late batches that under ordinary circumstances would not have been available.

The biggest demand was for lilies in pots; the call for cut blies fell off considerably from that of last Easter, and though other flowers sold well, there is an increasing call for plants. Lilies, azaleas, tulips, lilac, both purple and white, filly of the valley, hyacinths and single and double narcissi in pots and pans were in most demand. In cut flowers, carnations, violets and roses, the same old trio, had the call. Everything was in adequate supply, with the exception of carnations and violets, and though we had a good supply of both there was not enough, there is no doubt of the popular opinion of these two favorites in this vicinity

The fine weather, no heavy wind, facilstated delivering greatly, and this is no small matter when you come to Harrisii lilies in pots, last year's heavy winds and rain being still a disagreeable memory. Lilies retailed at 25 cents per blossom in legitimate circles, the department stores and some of the unitators selling for 15 and to cents for buds, in other lines regular prices prevailed. One peculiar point in the trade this year was that it held off till the last minute. Friday's trade was very light, not at all in comparison to former years but we made up for it on Saturday and of course had to sweat for it doing theek's business in one day is no fun

In my notes of last week the name of the beginne speadist should have read A H L John Coulses

SCIENCE FY J. J. Bullock was attested on J.c.h. 3 in a charge of embezziement from 6. P. Clark & Co.

# Areca Lutescens

LARGE HEALTHY STOCK

| 3 | Plants. | 6-in. | Pot. | 24 to 32-in | . high. | very | bushy. | each |      | <br> | <br>. \$1.00 |
|---|---------|-------|------|-------------|---------|------|--------|------|------|------|--------------|
|   |         |       |      | 32 (o.36    |         |      |        |      |      |      |              |
| 3 | * *     | 8-in. |      | 36 to 42    | 4.4     | 4.1  |        |      |      |      |              |
| 3 |         | s-in  | 4 4  | 42 to 48    |         | 4.6  | * *    | * *  | <br> | <br> | <br>2 50     |
| 1 | 4.4     | m-in. | 4.5  | 4 to 5-ft   | . high. | ••   | * *    |      | <br> | <br> | <br>5 00     |

ALL MEASUREMENTS FROM TOP OF POL.

JOSEPH HEAGOGK, Phila., ra. WYNCOTE,



J. L. SCHILLER, 34th St., NEW YORK CITY. Please mention American Florist. 404 E. 34th St..

### Crotons...

\_\_IN VARIETY

Rothschild, Hawkeri, Interruptum, Evansianoun, Rubra Lineata, Andreanum, Aurea Mac-ulatum and others, suitable for hedding. Fine plants in 3-meh pots \$2.00 per doz. New and rare varieties, 50 cents each.

rare varieties, so cents each.

Aurea Maculatum, extra fine plants in 4-in,
pots \$2.50 per doz.; \$15 per 100; 3-inch pot
plants \$2 per doz.; \$12 per 100; thumb pots, \$1
per doz., \$6 per 100.

#### Edwin Lonsdale,

Money Order Office, Station H. Phila

Horist, CHESINUT BILL. PHILA., PA.

## Cycas, Palms and Agaves

ONLY was saxty leaves thirty-eight to forty four inches long, six feet diameter, two Latania Borbonica sax feet high ten feet diameter; four yeaves five feet high, seven foeight feet diameter. A plants healthy, in good tubs

Lock Box 49, WAPPINGERS FALLS, N. Y.

## Just Arrived

IN TIME CONDITION. ODONTOGLOSSUM CRISPUM, MILTONIA ROEZLII, and CATTLEYA CHOCOENSIS.

ROBI. CRAIG & SON

and Novelties to Decorative Plants.

Market and 49th Street, PHILADELPHIA, PA. 

## **ASPARAGUS SPRENGERII**

For one week (before potting up) we offer small dormant 1-year roots  $\omega$  \$5.00 per 100. These bulbs will quickly make strong 2½-inch pot

plants

Ficus Elastica, true, large leaf variety, 6 inch pots, 20 me hes high @ 50c each.

Crimson Rambler Roses, extra fine, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00, per 100, \$15.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb. @ 15c per lb.

Clothide Soupert, the great pot rose, our stock is A No. 1, 2-in. @ \$3.00; 21<sub>e</sub>-in. @ \$4.00; 3-in. @ \$6.00; 31<sub>e</sub>-in. pot plants, in named varieties, per 100, \$5.00.

Pelargoriums Mme, Thibaut, Mrs. Robt, Sandiford.

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford.
Edward Perkins and Dorothy. Strong 3-inch stock, per doz., \$1.50; per 100, \$12.00.
For Cannas, Carnations, Chrysanthemums, send its your list; we have all kinds.
H. P. Roses, dormant, 2-year, extra line stock @ \$12.00 per 100.
Clematis, Ampelopsis Veitchi, Hollyhocks, Paonies, Hydrangeas P. G., etc. we have in large quantities; write us for prices.

#### VAUGHAN'S SEED STORE,

CHICAGO: Creenhouses: Western Springs, III. 84-86 Randolph St.

...FINE...

## DECORATIVE PLANTS

JOHN H. LEY, Good Hope, D. C.

Solicits early orders for following line stock: NEPHROLEPIS, D. Furcans Hach. Doz. 31.44 feet over, full, splendid plants 50 or more fronds (in pans)......\$2.00 \$18.00 NEPHROLEP-S. O. Furcans Very large, full of fronds, 3 feet over (i-lnch pots, iff for 8-lnch)...... 1.00 9.00 



## Rose Hill

Store and Greenhouse plants, Fern At occasion Pandanus

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

#### Syracuse, N. Y.

Our Easter plant trade this year by no means came up to our expectations, and was far from satisfactory to those who make a feature of growing high-grade flowering plants. Never was a finer lot of stock seen in the city, and what caused such an unprecedented poor demand is a mystery. The trade in them during Lent was excellent, far surpassing previous seasons. This naturally led to less stock being wholesaled at Easter, which added greatly to the glut. Azaleas received a severe black eye, and pots and pans of bulbous plants fared not much better; realize, after a trip through the large stores Saturday evening, that Easter was over, the vacancies on the tables be-

ing hardly perceptible.

The only plants that found a ready sale and were sold out clean, were Crimson Rambler and hybrid roses. Ramblers brought from \$3 to \$5 each. A limited quantity of hydrangeas and marguerites also went well. One of the most noticeable features of the trade this year was, that for other than the above named plants, the demand was for cinerarias, white hyacinths, and other small plants such as begonias, etc., that sold from 25c to 75c. Palms were out of the question, and whatever struck the demand for and whatever struck the definition ferneries this year is a commundrum. Last Easter one firm alone sold over one this year a solitary one. The hundred, this year a solitary one. The weather was all that could be desired, both for safe delivery and bringing out a crowd. So far no complaints have been

heard of about damaged plants.

Although a decrease in plants, there was a marked increase in the sale of cut flowers, carnations leading, with roses and violets next in order. Lily of the valley and daffodils and other bulbous stock did not sell at all, and the enormous quantity that was grown was a dead loss, other than making a show. The supply of flowers was equal to the demand, and prices ruled about the same as last year. The quality of violets and roses was better than last year; carna-The quality of violets and tions about the same, although there was quite a lot of very inferior stock of the latter shipped in from the east. The report from nearly all sources is that the total sales in money value, were about equal to that of last year.

Visitors in town—Herman C. Bartman, Van Waveren, and H. Van Teylingen.

ALPHA.

SAN ANTONIO, TEX.—San Jacinto day, April 21, will be celebrated by a "battle of flowers."

#### REDUCED PRICES

-Very Fine Rooled-

Taken from our "Prize" Stock.

McCOWAN ALASKA ALBERTINI HELEN KELLER ARMAZINDY
DAYBREAK
\$2.00 per 100; \$15.00 per 1000.

SOUTH PARK FLORAL CO., New Castle, Ind.

#### ROSES, VERBENAS, VIOLETS

Invariably at these prices.

Cash with Order. F. WALKER & CO.

Box 316. New Albany, Ind.

## Chrysanthemum Mrs. A. F. Wienold

WE claim this to be one of the grandest early whites yet sent out. Originated with us 3 years ago and given a thorough test. It is earlier than Bergmann. Flowers 7 to 11 inches in diameter; is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2\(\frac{1}{2}\)-in. pots, 20e each; \$1.50 per doz.; \$10.00 per 100.

CAL. VIOLETS. No disease. Strong runners. 50c per 100; \$4 per 1000. MCDONALD & STEELE, Crawfordsville, Ind.

# Ghrysanthemum PRESIDENT GRAHA

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 2½-in. pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND. OHIO.

#### CARNATIONS FROM

Cathlene Pantlind, \$10 per 100. Flora Hill, \$5 per 100. Beauties, 2 1-2 in., \$6 per 100. Carnots, 2 1-2 in., \$4 per 100.

HOPP & LEMKE, Paul P. O. E. Grand Rapids, Mich.

# To Make Room

### The Morris Floral Co., MORRIS. ILL.

Plants Now Ready \* \$10,00 per 100 60.00 per 1000

JOHN BURTON, PHILADELPHIA, PA. Chestnut Hill

Please mention the American Florist

# lora Hill

AND 25 OTHER VARIETIES, LOW TO CLOSE OUT.....

GRAFTED TEA ROSES, \$15 per hundred.

H. F LITTLEFIELD, Worcester, Mass.

## 20.000 CHRYSANTHEMUMS.

Najor Bonnaffon. \$2.60 per 100 or \$15.00 per 1000; President Snith, Eda Prass. \$1.50 per 100 or \$15.00 per 100; President Snith, Eda Prass. \$1.50 per 100 or \$12.00 per 100.0 Ceraniums—the best mixed varieties for bedding, 34-theb pots, showing buds. \$2.50 per 100 or \$18.00 per 1000; 24-inch pots, \$2.00 per 100 or \$18.00 per 1000. Cash with order or satisfactory reference.

PAXTON GREENHOUSES,

C. E. Taube, Prop.

#### SWELL YOUR BANK ACCOUNT

By growing Emily Pierson Carnations, the most profitable Red Carnation in cultivation. Clean healthy grower, large full flowers with fine stem. Our house, 70x20 feet, from which we have been cutting since September, has 20,000 buds in sight to-day. We can supply fine rooted cuttings at \$1.00 per 100; \$8.00 per 1000. Cash with order.

South Side Floral Co., Springfield, III.

## New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Psyche (Hill), Painted Lady
(Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

#### New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.
35c each, \$3.50 per doz., \$25.00 per 100.
SNOW QUEEN—White.
50c each, \$5.00 per doz., \$35.00 per 100.
MERRY CHRISTMAS—Late White.
35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. DORNER & SONS CO. LAFAYETTE, IND.

## NATHAN SMITH & SON

Wholesale Florists

Specialties & & JG ADRIAN, MICH.

> CHRYSANTHEMUMS CARNATIONS \*\*\* AND VIOLETS

· · · CORRESPONDENCE SOLICITED · ·

## CARNATIONS

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a line lot of Carnation and Violet blooms for sale. Write for prices.

#### CHAS. CHADWICK,

Lock Box II.

GRAND RAPIDS, MICH.

#### Pittsburg.

The florists of Pittsburg and Allegheny are extremely well pleased with the business transacted at Easter, all having done considerably more than last year or the year before, in fact many of them had all they could do, even with a greatly increased force of help to fill their orders, and fortunately the supply of flowers was abundantly large, consequently the consumer and dealer were alike satisfied. Prices were generally above the regular rates prevailing previously, but were not raised so high as to prevent the develop-ment of a very greatly increased demand. The call for palms and genistas was noticeably less than informer years; lilies and hyacinths in pots much larger; other plants about the usual demand. Since Easter trade has been fairly good, there is nothing to complain about.

In my notes published October 23, 1897, reference was made to a report received from Holland that Mr. P. Vos, of Sassen-heim, had failed in business. His many friends in this country will be greatly pleased to learn that such was not the case; a document from the recorder of the District Court of Justice at the Hague certifies that the firm of P. Vos & Co. had never been declared by said court to be in a state of bankruptcy. This is certainly indisputable evidence that the report received last fall was erroneous, and it affords me great satisfaction to have it corrected in a way that can leave no doubt about the standing of Messrs. P.

Vos & Co. E. C. Ludwig, Allegheny, reports business good, and especially so at Easter; he increased the number of hands for that time to more than quadruple the number usually employed, and then the entire staff had all they could do to finish everything complete. Chas. Camp, Mr. Ludwig's right-hand man, is confined to the house this week by sickness. Elliott & Ulam, Pittsburg, also have a good report of Easter business, it being the greatest in amount they have ever had, and they are correspondingly happy.

Gustave Ludwig, Allegheny, has been very busy for some time, and his Easter business was nearly double that of last year. In funeral work he had a very extra piece last week Lient, Jenkins, of the ill-fited warship Maine, was buried here (his birthplace) and Mr. Ludwig furnished a floral design of the ship. It

was seven feet on the water part, the boat itself being over five fect in length; the base was made of ivy leaves and white roses, and the hull of pink carnations; the explosion was represented by red sprays, the fire and smoke by red carnations and black immortelles, the whole

requiring the united work of eight persons for more than a night to complete it, and when done it was a most excellent representation of the Maine.

Mr. F. W. O. Schmitz, of Jersey City, N. J., was a visitor this week; he reports trade good.

PRICE LIST of rooted cuttings of New Carnation

# GENESEE

| t  | dez | en or | up, prepaid | l by ma | il or expi | ess \$ 1. | 35    |      |
|----|-----|-------|-------------|---------|------------|-----------|-------|------|
|    |     |       |             |         |            | 10.0      |       | t00  |
|    |     |       |             |         | charges    | 8.4       | 0 per | t0)  |
|    | 250 |       | .,          | 44      |            | 7.0       |       |      |
|    | 500 | 4.4   | 64          | **      |            | 6         |       |      |
| ١, | 000 | 6.6   | 44          | 44      | **         | 65.0      | o per | t000 |

Descriptive illustrated and priced circular free.

Sales Agent, Buffalo, N. Y. DAN'L B. LONG.

## CARNATION

It sells because there is nothing in sight to at all equal it. It speaks for itself where-

ever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40.00 per 1000.

Our trade list is issued. If you have not received one send for it.

E. G. HILL & CO., Richmond, Ind. 

# RICH CRIMSON

Perfection in color; always in demand—Good stock now ready, \$10,00 per 100; \$75,00 per 1000; or \$2,00 per 400. Strong plants from soil. All the leading varieties.

NEW CARNATION....

The largest, bright rich crimson yet introduced

ampress

Send for price list of above, New and Standard Sorts....

# \$300 CARNATION PRIZE See half page ad, in issue of March 26th. Send for our circular. AMERICAN ROSE COMPANY, 80x 422 WASHINGTON PARKS.

## Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

will embrace the lead-and 186 as well as the

H. WEHER & SONS.

Oakland, Md.

NIW were CARNATION ARGY

> A few left at the following price of of \$10.00 per 100. 175,00 per 1000.

STOLLERY BROS.

CHICAGO, ILL.

#### 

Experiences

. . . with . . .

will be cultural as well as descrip-tive, and sent free to all applicants. I Guarantee all cuttings sent out and offer a Special Guarantee to all buyers of Flora Hill and Triumph.

ALBERT M. HERR,

.... LANCASTER, PA

THE BEST OF THE NEW PINK CARNATIONS

## Mrs. Frances

A WINNER EXERYMENT DE

\$2.00 per dozen \$10.00 per 100 \$75.00 per 1000 Cash with order.

C, BESOLD, Mineola, L. I., N. Y. <sup>®</sup>KEEKEELEEEEEEEEEEEEEEE April Offer,

Per 100 Alternanthera A. Nana, \$1.75; P. Major.....\$2.00 Coleus Asst. and Centaurea Gymnocarpa.... 2.00 Geraniums, 16 Var., 21/2-in. pots, \$2.50; 3-in., 3.75 Geraniums, 4-in. pots and Marguerites (Paris

Daisy)..... 5.00 Pansy plants from cold frames and Smilax .... 1.00 CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Special Certificate of Merit.

The best selling, most floriferous and dwarfed Geraniums ever introduced,.....

FOR SALE BY-

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HENRY A. DREER, Philadelphia, Pa.

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COTTACE CARDENS, New York. AND THE INTRODUCER

HENRY EICHHOLZ, - Waynesboro, Pa. FRANKLIN CO.

PANSIES WE grow over a million from the choicest seeds of Bugnot, Cassier, odier and Trimardeau, transplanted last November in cold frames; large plants now ready to bloom, 60c per 100; \$4.00 per 1000; Mammoth Verbenas, 70c per 100; \$5.50 per 1000; Joule Geraniums, in bud and bloom, such as S. A. Nutt, Gen'l Grant, La Favorite and many others equally as good, 4-inch, \$6.00 per 100.

3-in., \$4.00 per 100.

FUCHSIAS, very branchy, loaded with bloom, 4-inch, \$10.00 per 100.

BELIOTROPE, 4-inch, \$6.00 per 100.

VINCAS, extra heavy, 4-inch, \$8.00 per 100.

All the above are very bushy and well branched.

All the above are very bushy and well branched.

#### WHITTON & SONS.

Wholesale Florists.

City and Green Sts.,

UTICA, N. Y.

#### COLEUS **Rooted Cuttings** Well Rooted ...

Scarlet Verschaffeltii, Golden Verschaffeltii. Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alliambra, Golden Crown, Midnight, Salvator, John Goode, Nigger, 15c per doz.; 75c per 100; \$5 per 1000; express paid.

S. T. DANLEY, Macomb, III.



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THE JENNINGS STRAIN.
THEY ARE GRAND.
Fine-stocky plants in bud
and bloom, \$10 and \$15 per
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seed, Semple's pink, \$1.00 per oz. Cash with order.

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Lock Box 254. SOUTHPORT, CONN. Crower of the Finest Pensies.

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Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## GERANIUMS

PINK, RED and WHITE Best Bedders. . . Thousands Ready.

.....WRITE....,

GEO. A. KUHL, = PEKIN, ILL.

# **West Islip Greenhouses**

Rooted Runners, \$4 per 1000. Casb with order.

E. B. SUTTON, Jr. P. O. Address... BABYLON, N. Y.

# Hydrangeas



Fine plants with 10 to 30 blooms per plant. 10 cents per bloom...

JOHN SCOTT, Keap St. Greenhouses, BROOKLYN, N. Y.

Several Thousand

Arundo 

Well rooted out propagating bed... Make us an offer for same....

Donax

A. C. OELSCHIG, <u>jerrerererererererere</u> ji

# ASTER WHITE COME

Pure white. Trade pkt. 25c; oz., \$2.00; fine mixed, oz., \$1.75; tall Victoria, white, dark blue and pink, trade pkt., 25c; oz., \$2.00; fine mixed, oz., \$1.75. All the other seeds at market prices; trade list and sample on application.

H. BEAULIEU, Woodhaven, Q. B., New York.

#### FAXON'S "WHITE .. PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at \$1.00 each.

M. B. FAXON,

Lock Box 1528.

528. BOSTON, MASS. Correspondence solicited.

IN BEST VARIETIES. ROSES, from 3-inch pots.

from 3-inen pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.

VIOLETS. Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

## CLEMATIS Jackmanni, Henryll doz. 100 and others......\$3.00 \$20.00

DOWNING, best for general crop, special

prices,
PAEO\*IES, fine ass't of colors and kinds \$1.25 \$8.00 \$2.50 SMILAX, extra strong plants ....

F. A. BALLER, Bloomington, III.

#### KLONDIKE

Cold Fields at Your Door.

COLEUS—All kinds, all grades and all prices. Verschaffeltil and Queen. 75c per 100; \$6.00 per 1000; 2½-inch pots. \$15.00 per 1000; \$1.75 per 100. Coleus in variety. 55c per 100; \$1.00 per 1000; \$2.00 per 1000; \$1.50 per 100. \$1.50

J. E. FELTHOUSEN, Schenectady, N. Y.

## CARNATIONS **AND** COLEUS

#### ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.
ROOTED COLEUS in variety.
Cood stock only. Price list free.

DAN'L B. LONG, Growers' Agent, BUFFALO.

#### 5,000 SMILAX...

From flats, by mall, 50c per 100, \$4.00 per 1000 From 2-1nch pots, \$2.25 per 100, \$13.00 per 1000 Gersaltums from 2-1nch pots, \$2.25 per 100; \$20,00 per 1000. Cash with the order. Send for samples. Fred Boerner, CAPE MAY CITY, N.J.

## PRICES GREATLY REDUCED Cape Cod Pink Pond Lily

For price lists, Plants and Cut Flowers, address the original cultivators.....

CHIPMAN BROS.

SANDWICH, & (CAPE COD), & MASS.

## LETTUCE AND OTHER... VEGETABLE PLANTS

LETTUCE-Big Boston, Boston Market, Tennis Bnll. Grand Rapids and Reichner's Forcing, 15 cts. per 100; \$1.00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. 15cts. per 100; \$1.00 per 1000. Pepper and Egg Plants—25cts.per 100; \$2.00 per 1000.

CAULFLOWER, Snowball—35 cts per 100; \$2.50 per 1000; ff by mall add 10 cts. per 100 for small plants, and 50 cts. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

#### St. Louis.

SPLENDID INCREASE IN EASTER BUSINESS IS REPORTED.-ROSES SOLD WELL.-WHAT F. G. UDE, OF KIRKWOOD, IS DOING .- NEW THINGS FROM MISSOURL

Easter has come, and with its departure it has left many tired but happy florists; the reports from almost all persons interviewed are that business was of a very satisfactory nature, the increase reported being from one-quarter to one-half as much again as last season. The weather, to make up for its disagreeableness during the opening week of April, was perfect on Easter Sunday and the two days preceding.

Plants more than held their own in the competition with cut flowers as suitable presents, and the way in which they were cleaned up should encourage the growing of them more generally for this occasion. A very marked difference was noted in the demand for stock in the different sections of the city. The down town stores handled about the usual quantity of plants, but noted a heavy increase in the call for cut flowers, while the west end stores increased most heavily in the plant trade. Prices ruled about as usual, that is usual Easter prices, and no objections were heard to the amounts asked for goods, parties wishing to purchase apparently being able and willing to pay.

Stock was in fair supply, nothing having been left on hand except white carnations which were too abundant. Roses of all kinds cleaned up readily, likewise colored carnations, and Harrisü lilies, as reported, were in rather short supply; more could have been used had they been obtainable. Despite the warm weather bulbons stock was everywhere, and large quantities of it were moved, at a low figure, however; Beents for Von Sions, Beents for Romans, B and 4 cents for filly of the valley. Pickled stock als) was in evidence, not so much from the home growers as from out-of-town points. While not abundant there was enough of it to make the recipients very sore on the shippers. Prices had held up well preceding Easter and good returns would have been made had the stock been sent in when due; it is however getting to be the usual custom for prices to remain up preceding an occasion of this kind, and maybe in the future the disadvantages of discarding a good price with the chance of a better one or total loss a few days later will force itself upon growers Since Easter cool wet weather has again put in an appearance, and has had a tendency to quiet what little trade was doing. Weddings, however, are all the talk, and from the engagements announced they should keep the florists going until the school commencements.

T 6 I de, of Kirkwood, is cutting fine carnations, Daybreak, Jubilee, and others. he is convinced that there are two strains of Armazindy carnations on the market, is those of that variety he grows are distinct from it as seen elsewhere; the spinnin has been advanced that his variation, it we may call it so, is caused by the soil and cultivation cuttings, however, taker from plants foreign to his place, rooted and grown in the same manner and soil as his, still show a pronounced documbants in habit of growth and color of foliage, the companionship will be continued when planting time comes to see if the paration; permanent A novelty upon shall agood many jokes are made and trans which much is expected is a white sport translative translational, a little larger and a stronger grower than the latter Anyone kneeding Mr. Ude and his careful methods, and he sure that it is a white Daybreak and a change else. Stock is

being worked up and quite a nice batch is expected to be ready for planting in the houses next fall. Upon some 2-inch plants of Victor recently received from the east more rust and disease were noted than upon the 8,000 home grown, Jubilee and Uncle John included. Herman Ude was busy putting a tank on a tower with the assistance of Theodore Richter, another carnationist. Herman pinned his faith to California violets last season, and as a result is putting up water works, and is to rebuild one of his old houses. When asked about the newer varieties of violets he said: "California is good enough for me." Quite a patch of sweet peas sown in the open ground last fall were an inch or two out of the soil. Our last freeze hurt them to some extent, but not more than they will outgrow. quhar was tried here some time ago, the first year of its introduction, and proved identical with Marie Louise. The seller must have had his stock badly mixed, or did the packer take stock from

the wrong side of a label.
Charley I'de was also "init" with California last season, and is about to build a duplicate of the house erected last season for carnations and violets. Carnations here were showing up well, particularly Silver Spray and Portia. At present writing a light frost is predicted for to wighty should be the for to-night; should it be heavy, considerable damage will be inflicted upon fruit,

which is well advanced.

The directors of the Exposition Association have accepted the terms proposed by the exhibition committee for the use of the Coliscum for the next flower show. This insures our having an ample opportunity to show what can be done in the way of having a properly arranged and managed exhibition. Owing, however, to the horse show management having the dates desired by the club it will be held one week later, from the 15th to the 19th. Being a week later than the general run of shows throughout the country, it is expected that outside parties will be much better represented than beretofore. The Lindell Flower Store, situated under the Lindell Hotel, has closed. R. F. T.

#### Nashville, Tenn.

The Easter trade was a surprise even to florists themselves in this city. The indications early promised an unusual volume of business, nor were they disappointing. I venture the assertion that more flowers were sold in the three days, including Easter Sunday, than were ever sold on any similar occasion in this city. The call was for cut flowers largely, with a good demand for potted plants. Easter lilies were in great demand, and the supply was exhausted long before night on Saturday.

There was fully 50% increase on sales over last year. The supply was abundant and of good quality. Homegrown stock was plentiful, and commanded fair prices, though there was no excessive price on anything. Roses, good stock, sold at \$1.80 to \$2 per dozen, American Beauty went from \$4 to \$6. Other prices were in proportion. Easter Other prices were in proportion. lilies were in good supply considering the very late date, and at first sales seemed doubtful, but everything was taken, and numbers of ealls could not be supplied at the last. There was a large lot of shipped stock sold here, the quality excellent and prices good.

Taken all in all, the Easter trade was very satisfactory, and florists were ready to shut up and go home by 2 p. m., at which time a heavy shower came on, but the dealer had already gotten in his work and sold out his stock.

M. C. Dorris.

OTTAWA, CAN.—Mr. James Hickey's conservatories, on Bank street, were unfortunately burned April 2. The loss on the building is perhaps \$100, but the loss through destroyed plants will be very great.

# Roses! Roses! Roses!

Atra fine selected stock of all the leading varie

Bride, Bridesmaid, Catherine Mermet, Madame Hoste, Mrs. Pierpont Morgan, Perle des Jardins, Meteor, at \$5.00 per 100. La France, Kaiserin Augusta Victoria, Mrs. W. C. Whitney, Souvenir de Wootton, Madame Caroline Testout and Pres. Carnot at \$5.50 per 100. Clara Watson and American Beauty at \$8.00 per 100.4.4.4.4

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PERLES
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### NEW FORCING ROSE MRS. ROBT. GARRETT

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H. WEBER & SONS, Oakland, Md.

#### New Haven, Conn.

The uncertain March weather which ushered in the beginning of the week preceding Easter boded ill to flowers and florists in this locality. But after a small-sized blizzard on Tuesday and a slight fall of snow on Wednesday, the elements took on a better temper, and the latter part of the week was all that could be desired. With the pleasant condition of the weather the florists' hopes arose, and the trade was fully up to the standard of last year.

Many merchants made special displays, S. H. Moore & Co., J. N. Champion & Co., Robt. Veitch & Sons, and F. S. Platt all had extra space, where displays were made. All report trade as good, despite

drawbacks in the way of war gossip, etc.
Potted plants, as is usual at Easter,
were in large demand. Novelties in this
line were many and unique. Japanese fern balls attracted much attention and sold readily. Among the newest things were lilac plants of small, sturdy growth in full blossom, and the Palmer violet plants, sold by Champion & Co., both of which went quickly, and of which the supply was insufficient.

S. II. Moore & Co. had a very attractive window of Scotch heather plants of small size and stocky growth and sold

many of them.

Carnations were high in price, going up from 35 cents to 75 cents and \$1 a dozen. Even at this price, the highest these flowers have brought since last Easter, the demand exceeded the supply. The figure on violets remained without any increase, but sold in plenty at \$1.50 per hundred. Roses were by no means short in supply. Jacqs. sold for \$4 a dozen, Brides and Bridesmaids at \$3. Beauties were scarce at \$12. Among the potted plants, azaleas followed close upon the Easter lilies, and were exceptionally good. They brought from \$1 to \$4 each. The demand for tulips was good. Daffodils went more

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CERANIUMS-10.000 S. A. Nutt. 2-luch. \$15 (0 per 1000; \$2.00 per 100. Rooted Cuttings from soil, \$10 00 per 1000; \$150 per 100 Mixed standard varieties same price. Mme. Brusnt. 2-luch \$3 00 per 100. BECONIA Vernon, 2-luch \$2 00 per 100 CARNATION Lizzie McCowan, soil or pots, \$10.00 per 1000. Cash please.

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Fine plants, one-year-old, grown from

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Verbenas, Carnations and other stock.

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Price \$1.75 per 10: \$15 per 100. Write for list of other stock. Roses, Shrubs, Currants, Fruit Trees, &c.

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2½-in, pots; Sony, de Sale, \$3.50 per 100; Her Majesty, Glen Valley, Laura Wilmer, Ger-trude, \$3.00 per 100.

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OLD RELIABLE MAKE OF Elverson, Sherwood & Barker.

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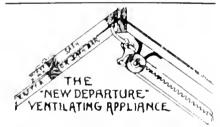
#### Cleveland.

Easter week is over, and with satisfactory returns to nearly everybody. From general reports it appears to have been fully as good as usual, and with some florists an improvement over any previous Easter. The stores were all very busy, and on the markets no complaint is heard, so it is fair to presume that all are well satisfied.

There was a good call for flowering plants, lilies and azaleas leading as usual in the popular estimation. Of the latter plant there seems to have been enough to supply the demand, with possibly a slight surplus in large sizes, but not much. Lilies were in many cases not up to the best standard as pot plants. They were usually too tall, a very general trouble with Harrisii this year, and one apparently not necessarily the result of bad culture. There was also in some cases evidence of the omnipresent lily disease. The plants sold very well, however, and nobody complains much. Dutch bulbs sold about as usual, those who had been conservative in estimating their Easter needs selling out. Nobody appears to have had much stock left over, although there are some reports of slight surplus.

In cut flowers lilies of course were a

prominent feature and sold well at from \$2 to \$3 per dozen, according to quality. Carnations were generally in short supply, although two report a sufficient number but nothing over. Some did not have half enough to supply the call for them. Violets also were generally short in supply. Roses were excellent in quality, and there seems to have been enough to fill orders for them. One great factor in the satisfactory result was undoubtedly the weather. It had been persistently cold, nasty, windy and generally disagreeable until Thursday, when it moderated and become very pleasant. Saturday was cloudy, with a very slight rainfall for a short time in the afternoon, but as there was absolutely no wind and the rain seemed to lay the dust that otherwise might have been troublesome, there is no good reason to object. A



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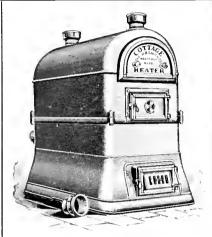
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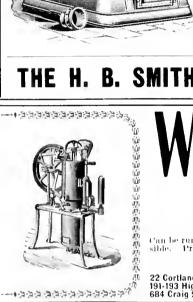
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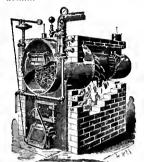
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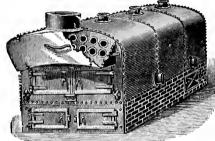
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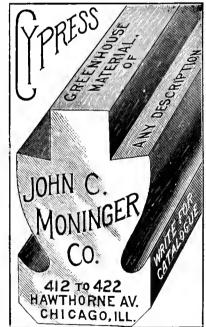
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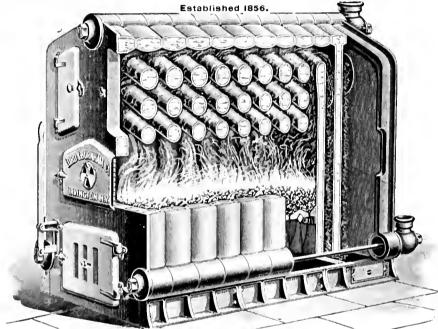
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Vol. XIII.

#### CHICAGO AND NEW YORK, APRIL 23, 1898.

No. 516.

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THE NEW DIRECTORY of florists, seedsmen and nurserymen of the United States and Canada will be ready for mailing soon. Twenty-five hundred new names. Postpaid for only \$2.

#### Notes and Comments.

What a difference is noticeable in the horticultural news reported in the daily newspapers nowadays and that which we read fifteen or twenty years ago. At that time a flower show was dismissed with a few lines. Now persons specially adapted to that class of work, either by intuition or experience, are associated editorially on many of our leading dailies. When an error does creep in the florist is to blame nine times out of ten for giving

wrong information.

One of our Philadelphia great dailies fell into an error about Easter time, when in giving an otherwise very readable and instructive article on what might be seen in the florists' stores, made the statement that "the white 'grape' hyacinth, Botryodes alba, was so new in fact that it is not yet in the 'Gardeners' Dictionary.'" Nicholson's is meant, of course. This was an unfortunate "break," beeause everybody who reads this realizes that muscari was meant. The statement would not have attracted so much attention had not Nicholson been taken to task for his accused omission. instance only goes to prove how easy it is to fall into error, and how lenient we should all be when a slip is made. Pope says:

Good nature and good sense must ever join: To err is human—to forgive divine.

seems strange that those who make blunders hate to be told about them or have attention drawn to them in any way, and the greater the blunder made the less the maker of the blunder likes to acknowledge it or in any way make reparation.

Some years ago one of our leading newspapers had a very convincing article, apparently, about Joaquin Miller's rose farm in California, to the effect that the "Poet of the Sierras" was shipping the product of said rose farm at regular intervals in refrigerator ears to New York City, that they were eagerly bought and the poet was doing a profitable business. The undersigned having spent some time in California, and knowing the class of roses produced outdoors there, knew that the Greeks even would not look at the buds produced there with the object in of buying them to sell again. I took the trouble to write to the newspaper correcting the glaring blunders made, but no notice whatever was taken of it, either by reference in its columns or by personal letter; and when referring to the matter complained about to a member of the editorial staff connected with another great daily, he said that his paper would not think of making corrections in a matter of that character. 1

wonder why? The last named newspaper claims to be correct in everything, and the appearances of truth are written on every page.

To return to Muscari botryoides album as an Easter novelty, the editor in charge of the horticultural department was advised of the mistake and an acknowledgment and correction was cheerfully made on this occasion; but the idea that the white variety was new as an Easter novelty was persistently adhered to. It is, however, wrong nevertheless, for Pennoek Bros. had it in fine shape for last Easter, grown by Albert Woltemate for his own retail trade, who divided his stock with the firm above referred to. This year Joseph Kift & Son secured quite as nice a lot. It is three or four years as face a lot. It is three of loth years since Mr. Woltemate first had this plant in bloom for Easter. Museari botryoides makes a very pretty Easter plant and it has the advantage of not being at all common.

Another of our Philadelphia dailies has an Easterflowerstory, which, I am afraid, is totally the outcome of a reporter's or correspondent's fertile imagination. The story is somewhat like this: On the Saturday morning before Easter the fair typewriter of one of the Chestnut street jewelry stores had an Easter lily presented to her. It was set on the floor beside the desk. During the young lady's absence at lunch the office boy decided to write a letter using red ink. Before he had finished his task the "boss" appeared, and in the boy's hurry to hide the writing materials he accidently upset the red ink bottle, some of the contents of which found its way to the fair white blossoms of the lily. The young manager of the establishment after a series of questionings and cross-questionings caused the boy to confess. The manager having a tendency towards joking saw a great opportunity for a hoax. The boy was immediately put to work, and before the typewriter returned every flower was a bril-The manager satisfied the liant pink. young lady by presenting her with another lily, and she, too, proceeded to enter into the full spirit of the joke. A placard, giving a history of the wonderful freak of nature, was neatly prepared and together with the pink lily was placed in the show window, and it is further recorded that all Saturday afternoon erowds gathered to view the wonderful plant, and the jokers were full of joy. "Before night" jokers were full of joy. "Before night" (here is the best part of all) "representatives from three seed houses had called, and after examining the plant pronounced it a genuine freak. These experts offered to pay a big price for the plant, but were all told that it was not for sale." To complete the story we ought to find out

who were the representatives of the seed houses, and whose seed houses did they represent. The late Peter Henderson used to tell a story similar to the above, but I have forgotten the details. I have seen white Roman hyacinths and Niphetos roses operated upon in a similar way, but no practical man would be deceived by them.

It is to be hoped that the next spring show of the Pennsylvania Horticultural Society will be fixed upon a date not quite so near to Easter as it was on this occasion, because the growers could hardly be expected to make much of an exhibit so close to the greatest of all floral festivals. The cut flowers of carnations and roses were excellent, especially the American Beauties, but these are more amenable to exhibitions than are plants. But we must have plants. I do not remember to have seen any of the pelargoniums at the show, either zonale, tricolors or bicolors, faney or regal. These should be encouraged by offering generous premiums. So with the fuch-sias—not one to be seen. Yet there is nothing more effective than a group of well grown plants of any of the above mentioned soft-wooded plants. was a time when the veteran Wm. K. Harris exhibited plants of fuchsias at our spring shows from four to six feet high, well furnished from the pot up. When speaking of the fuchsia a short time ago, Mr. Harris made the remark that wellgrown fuchsias would sell well to-day and at good prices. I agree with him.

\_\_\_\_

#### The Propagation of Orchids.

Among orchid growers there is a marked tendency to want to increase their stock by propagation, hence the question sometimes asked—"llow best may I increase the stock of any particular variety?" There are some kinds, such as Dendrobium nobile, that may be propagated in the strict sense of the word; the old pseudo bulbs after flowering may be cut off and placed in a close propagating ease or house on damp moss, and all of the nodes or joints of the stem that have not flowered will produce shoots, which may be allowed to grow until roots are seen and then potted in very small pots. nursing them along in a warm temperature until their season of growth is past, when they may be rested with the parent plant in a cooler house.

Dendrobiums sometimes make these growths on the bulb instead of producing flowers, and this is generally an indication. of wrong treatment at some time. Often it is the result of imperfect ripening and rest, and sometimes it is a sign of improper conditions at the root, in either case it is nature's way of profesting, and the cultivator will at once see what is wrong. These young plants raised in this way are very apt to make valuable specimens if grown on with the same care that is given the older plants, and certainly there is not the tendency to degenerate we sometimes find in larger piece, that do well for a year or two and then deteriorate.

tattlevas are only to be increased by division, and as mannormal growth there is only one bulb made in a year, it will be seen that it is a slow process to moreose our stock in this way, although it is possible to get up a more lot of plants in the course of time by carefully watching the apportunity to make an incision mather thizome that came its the bulbs at the tase on ding only a notch and not exerting it at his 1. It is best to leave at east to e bulls as the back of the last one

made to give ample support to the next year's bulb, and back of these five, if there are any more (as often happens) that are doing nothing, they may be induced to "break back," that is, some dormant bud will surely start if they are prevented by the incision from having any other outlet for their stored up energy.

This method of inducing back breaks is only to be practiced with eaution. I well remember when a lad, reading in "Williams' Orchid Manual" for the first time of this method, and there being on the place a huge specimen of the old Cattleya crispa,

were more of them, but they were even smaller. There was trouble over that plant, and the man in charge heard of it; but the experience was mine, and while it did not cost me anything, it was a lesson that has lasted, and the telling may not be without result to those who would increase their stock of cattleyas unduly. I have found it a safe thing to do if at least five bulbs are in front of a cut, and some of the back ones have leaves on.

Cypripediums are easily increased by division at almost any time of the year, but preferably in the early part of the



VASE OF CYPRIPEDIUMS AND ASPARAGUS

it dawned on me that this was a great apportunity to become distinguished, and next morning early, this plant was severed into many parts by earefully made cuts that were not visible to a easied observer, as they were not notched. I should have said that this particular plant had become historic for the number of times it had been sent to a local exhibition each year in August. That year it did not go, the growths were not strong enough to bloom, the next year there

year before root growth starts. I have found it easier to keep cypripediums in good health when the plants were of medium size rather than when in large pots and of considerable bulk. I recently divided many that were in large pans and put them into small pots to begin over again; with the tessellated section this seems the best method to adopt when it is desired to have a quantity of plants and flowers, and not necessarily a lew individual specimens of greater size. C. insigne

and its hybrids are easily cultivated in specimens, and difficult to divide when grown so; but I find that the South American kinds known as selenipediums are very subject to white scale insects, and these are difficult to eradicate when on large specimens, and the young growths get badly crippled in consequence. Back growths are easily produced on cypripediums by this system of cutting the rhizome between all the growths that have roots of their own, and it is easy to get up a stock quickly of any cypripedium as compared with cattleyas and lælias.

The foregoing methods of propagation are at best artificial, and a makeshift such as the cultivator is obliged to adopt in the absence of quicker ones. The more legitimate one is nature's own, by the regular process of impregnation and seed bearing; it is true that this method is slow, but then it is measurably sure, and if the grower at the same time chooses to cross two varieties, species, or genera, the result has an added charm and value which will grow on him, and the months will not seem so long if he has coming on a number of seedlings so that when one reaches the flowering stage there will be many more to follow.

Orchids are among the easiest flowers to hybridize by hand, and at the same time but very few of them have the power of self impregnation that is generally given other families; there must be aid given either by the hand of man or by insects. Bees in the orchid house make things lively, if they gain entrance in spring or fall when there are flowers open, as every flower visited will wither the next day. It is not necessary that the flower be impregnated, for the removal of the pollen is sufficient to make the flower wilt as has often been proved by removing the pollen for the work of hybridizing, so sensitive are the parts of reproduction in this family.

The older botanists looked with horror on hybrid orchids, and those of the present day have much trouble to keep them classified, or even to coin names for them. The hybridist has broken down the barriers set up by the authorities, and not only have new genera been created to meet the demands, but old ones have had to be abolished or merged with others, so that it is hard to lay down lines for the beginner to work upon, and he will have to judge for himself as to allied plants, or suitable varieties to start with. It used to be considered impossible to cross Mexican lælias with the cattleyas, but it is done now with ease, and the beautiful Cattleya citrina will cross with the large-flowering South American kinds; others have flowered them, and I have seedlings potted off. The epidendrums will also cross with the cattleyas and give startling progeny.

After the flower has been set for seed, a cattleya will take from six to twelve or even fifteen months to mature the capsule, and when the same is ripe, the sections will separate and, if not carefully cut, drop all the seed. There are, without exaggeration, millions of seeds in some of the capsules, a greater or less proportion of which are of good germinating quality, as may be determined with a good lens before planting. If the seed matures in the winter months, it is best to wait until April before sowing. I find on referring to the records, that more success is due to April sowing than to that of any other month in the year. Small though they are, the seeds may be kept

in a box in a dry place out of the way of cold for a great length of time.

When sowing time comes it is best to choose a plant that has been recently repotted in good brown spongy fibre, and sow the seed on the surface; if the plant be of not great value as a variety, so much the better, for we have found that the pre-requisite for success in germinating orchid seeds is saturation; once sown they must never be allowed to become dry at any time, and it is possible that the great amount of water applied may be too much for the plant that is in the pot. When watering for the first few times, dip carefully so that the seeds will not float off, and I find that if the material be soaked before sowing, the seeds will adhere to the fibre so that it will not float off unless it be of poor quality; there is that wise provision of nature that enables them to stick to a wet surface, and if this be continually moist, germination is assured. The greatest trouble experienced is with the prothalli of ferns and the like that find a congenial place to germinate and choke out the young plants, and for this reason also we never use moss in the pot on which seed is sown; it will grow and smother the tiny plants rapidly

If the seed be good and all things favorable, germination of cattleya seed may be looked for in six weeks; I have potted off plants from seed sown no longer than this. Some sorts, such as C. Leopoldii, will take six months, but C. Leopoldii will ripen a pod in half the time others take. A good rule that I have found no exception to is, that the longer a pod takes to mature, the greater the probability of results and the quicker they will be forthcoming. It is most interesting to watch the tiny plants in their first stages of existence, not half the size of pin-heads, and then the leaf point shoots up and they look like peg-tops, and are taken up on a toothpick or some suitable implement, and transferred to small pots, several in each, until they make roots; later they are put singly in 1-inch pots for a year and then they will need larger

From this time on the progress will be

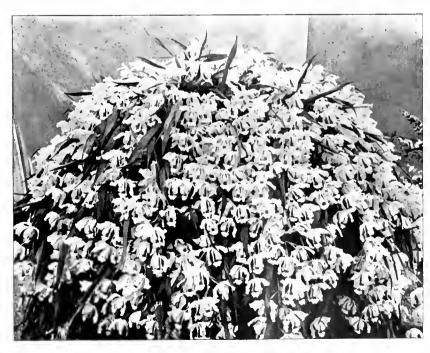
rapid, and highly interesting to the operator, especially to trace the influence of the parents; if the latter be dissimilar it can readily be seen in the first leaf point. The reason the tiny plants are transferred in the thallus stage is for fear of vermin; a snail, slug, or woodlouse would in one night make a meal of a score or more, and for this reason all are kept isolated over saucers of water after being put in pots.

I am well aware that to the average florist there is not much inducement to begin raising orchid seedlings; life is too short, and there are many things of more financial interest; but there are some who will be sufficiently interested in the operation to experiment along these lines. If not undertaken as a labor of love, it will all be lost, for the constant watchfulness necessary to get results can only be born of an interest in the work. I have not treated on the cypripediums as there is practically no room for new operators in this field; if we have a good thing coming on, it is only to find that some other grower across the ocean has anticipated us by a year or so, and there is small remuneration and less glory to be won in this family.

#### Coelogyne Cristata.

The beautiful plant which we illustrate on this page was purchased from the De Witt Smith collection by Mr. Zenas Crane, of Dalton, Mass., its present owner, about ten years ago and was considered a pretty good specimen then. It now measures nearly twelve feet around the base when in bloom, and carried this year between 1,200 and 1,300 flowers.

The treatment of it by Mr. Dolby, the gardener in charge as well as that given other smaller specimens which are equally floriferous, consists in abundance of water at all times except just previous and during the time when in flower and a cool temperature with plenty of air and shade. After flowering some of the old pseudobulbs are cut out, if crowded, and sphagnum packed in around the pseudo-bulbs to raise up the center of the plants.



COELOGYNE CRISTATA.

#### Paris.

THE VIOLET INDUSTRY IN FRANCE.—METHODS OF CULTURE AND SHIPPING.—VARIETIES OLD AND NEW.—PRICES, ETC.

The flowers which in importance even supersede the minosa in southern France are the violet and the rose. Hyeres is the place where the violet is grown to the greatest perfection, and the area devoted to that flower there is not far from 400 acres. It is to the genial atmosphere during winter and the great care with which the growers guard against the summer drouth that is due the production, in the favored district under notice, of the immense quantity of violets which from October to March are sent to the northern countries.

The open air culture of the violet for winter export was started around Hyeres some twenty years ago, and as it can be effected under the olive trees which are no longer profitably grown, it is very remunerative. According to Mr. Nardy, two kinds of violets which are now in oblivion, were grown at the start; one named De la Valette was a vigorons, hardy, small-flowered, but profousely blooming and deliciously-seented, dark colored variety, which, unfortunately, was too short stalked; and the other called Wilson was very sweet and long stalked, but had also a great drawback in its poor color.

After the above two kinds came the large-flowering, deep colored Czar, which ten years ago had the palm of fame, and well deserved it. This once so popular variety has, in its turn, been superseded by the following still finer sorts: Luxonne, a vigorous, free blooming kind, with a somewhat smaller flower and shorter stalks than the Victoria, but of a fine deep colored hue and well scented; Victoria, a sturdy plant with vigorous large foliage, producing an abundance of large, well-shaped flowers of a splendid color. Several gardeners around Hyeres have through careful selection still improved on these kinds and produced better varieties, among which are: Prin-

least equal if not excel the Princesse de Galles as regards size and color. It is long stalked, vigorous and very good for forcing.

The culture of the violet in southern France is very simple. The plants are usually grown on the flat in rows 112 feet apart and 10 to 12 inches asunder in the rows, which distance is necessary to prevent the flower pickers from treading on the plants. On low lying ground, where an excess of moisture during winter may be feared, the plants are grown 2 feet apart on a small slope running from east to west. The plantations usually last two years, rarely three. Experience has taught that with the best care and notwithstanding the removal of the runners which exhaust the plants, and high manuring in the autum, the planta-tions which are three years old seldom yield as many or as good flowers as those of two years. The fresh plantations are generally formed from December to March, in proportion as the lands become ready. It is a rule to plant two or three plants together, to get stronger clumps in the following fall. Only at planting time, and until they are well rooted and afterwards very late in the summer, are the violets given a good watering around Hyeres. The gardeners know by experience the great advantage of reducing to two or three, according to the land and its situation, the application of water during the summer. This small supply of moisture compels the plants to take a good rest in summer, instead of wearing themselves out in producing runners without necessity. They repay for that rest in producing the following winter, under the influence of moisture and the mild temperature, which at Hyeres is equal to spring in northern latitudes, a great abundance of fine sweet The plantations also receive in flowers. September or October manures which are active and readily available as plant food. The fertilizing materials are supplied in the form of high grade commercial compounds or of vegetable or animal favorable weather, the export of flowers in small bunches amounts daily to about 400 parcels, weighing a little over six pounds each, which represents more than a ton a day.

The photograph herewith reproduced shows the three sizes of bunches in which the violets are sold on our markets. No. 1, called "Toupillon," is composed of about 50 flowers of Czar violets, and towards the end of March was sold for 1 cent American money. Bunch No. 2, called "Boulot," is made of 100 flowers of the Luxonne violet and was worth 2 cents, and No. 3, called "Gros Boulot," is composed of 150 flowers of the Princess of Wales, and was worth 5 cents at the same date. The bunch of the latter variety seems to be twice as large as

that of the Luxonne.

The violets are all grown in the open ground at Hyeres; though sharp and protracted frosts are, so to say, never experienced there, the growers, who generally have no glass frames at their dis-posal, know well how to keep off the cold winds by the use of screens made of heath or reeds. In this connection we may say that wind-breaks, shelter fences and screens play an important part in the floriculture of southern France. Glass structures, usually unheated but with a pipe lying flat on the ground to increase the temperature in case of an emergency, are becoming more and more frequent; but as they are very expensive, most of the florists growing bush roses, pinks, mignonette, etc., afford their plants the necessary shelter with low rows of glass frames, supported by a single central rail. These frames slope almost to the ground and the lower part of the sides are made tight with straw, heather or seaweed, thus affording an increase of about 5° centigrade in the temperature.

Shelter hedges are also very common, the best being made with Cupressus macrocarpa and C. fastigata, planted from 18 to 24 inches apart. The latter variety, owing to its tall growth and pyramidal close habit is particularly suited to form shelter fences from 2 to 2½ feet high. In a subsequent letter, we shall say a few words about the diseases affecting violets in southern France.

Parislan.

#### About Water-Bouquets.

These used to be common at flowershows, and they were occasionally used for public and private decorations. fashion, however, did not last very long. It was difficult to fix the bouquet in the right place, to choose material, to place the bell-glass over the bouquet, to fill with water, and to remove the bouquet from the water to the dry stand. Taking the last first, I had a rather serious accident some years since with a huge waterbouquet at a provincial show. This bellglass was some two feet in diameter, and over two feet high. Neither a pail nor a tub could be found, nor water sufficiently clear near the show-tent to flood, or rather suspend, the bouquet in water; hence, my resort, single handed, to a lake in the park some distance off. It was difficult to find a solid standing place. But the water was clear and deep; and after considerable difficulty in thating and submerging the bouquet, which looked lovely in the water, the huge bell glass or globe was placed over, and every bubble of air drowned out, and a china plate slipped under it before the crown of the bouquet reached the surface of the water. No sooner, however, did I attempt to lift the complete water-bouquet out of the water than it strove to drag me into

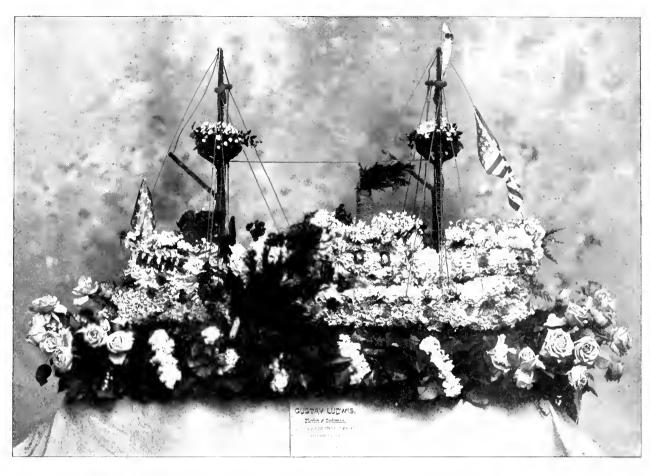


VIOLETS AS BUNCHED IN FRANCE.

cesse de Galles, which seems to be the largest and finest of all singles and has vigorous folinge and long stalks. Gorre d'Hyeres, a strong stuidy kind, remarkable for its apablity to withstand the frost, which up to date no other approaches at Hyeres. Another kind introduced lately through one of our Parising growers and called La France, appears to be the latest improvement, and will at

manures selected with care to supply the needs of the various soils, all hoed under judiciously. Should it not rain within a few days from manuring, a good watering is given to start the decomposition of the tertilizing elements and render them serviceable to the roots.

The packing, packing and shipment of the violets keep basy during the winter, at Hyeres, from 100 to 600 women. During



UNITED STATES BATTLESHIP MAINE, BY GUSTAV LUDWIG, ALLEGHENY, PA.

the lake, and the weight of the flowers, the water, the china plate, and bell glass, and the pressure of the atmosphere on the glass globe were so great that they nearly succeeded. After a short sharp struggle, the glass gave way, the plate sank to the bottom of the lake, and the bouquet which had being weighted with lead to preserve its position, gracefully disappeared. It need hardly be added that this was the last of my monster water-bouquets made for exhibitions. Waterbouquets of medium or small size are the most beautiful as a rule. One of the chief points is this filling of the glass quite full of water, another is the choice of globes with a level bottom as well as a base, dish or plate with a smooth or even base. The object of this is to enable the glass and the plate to form an impenetrable barrier between the water and the air. Hence the glass, whether large or small, pressed down by the weight of the air clings to the base of the water-bouquet as the limpet to the rock, or the sucker of wet leather to the stone. Then no attempt must be made to remove the glass, or repair water-bouquets, without first plunging them overhead in a pail or tub of water. Astosteadying the bouquet in the water, it is a great mistake to use a lump of clay, as suggested by one of your correspondents, as this would soil the water, and prevent the flowers and leaves from being clearly seen. There is nothing to equal a bullet of lead, worked into the centre of the stem. The whole of the materials of water-bouquets must also be scrupulously clean. The bouquets should likewise be an artistic bunch of ferns, flower leaves, grasses, rather than a

formal hand-dress or drooping bouquets of the usual forms. This change of front and form in water-bouquets gets rid of most of the difficulties of hiding unsightly stems or stalks. No mistake did more to lower or ruin the popularity of waterbouquets than overcrowding. Not a few seen by the writer conveyed the impression that the chief object of their makers was the crowding of as many leaves and flowers into their novel position as could be managed, no matter with what amount of crushing against the glass, whereas the primary object of every water-bouquet should be to display, in the most artistic manner, every leaf and flower used, and preserve their freshness and beauty as long as possible, and magnify both through their limpid setting. This making and placing of water-bou-quets needs cultured taste. The setting, like the last touches of the artist on his canvas, not seldom makes or ruins the effect. In both cases, courage, firm handling and skillful manipulation are needful at the finish. The water-bouquet must have its last touches under water. and the artists who fear to take off their coats and tuck up their shirt sleeves, will seldom succeed perfectly. A few touches of the leaves and flowers before the glass barrier separates us from them makes all the difference often between the highest art and the commonplace.—P. T. F in the Gardeners' Chronicle.

#### Battleship Maine Design.

This piece was made by Gustay Ludwig, of Allegheny, Pa., on the occasion of the funeral, two weeks ago, of the late

Lieut Jenkins, of the ill-fated warship. It was seven feet long on the water part, the boat itself being over five feet in length. The base was made of ivy leaves and white roses, and the hull of pink carnations. The explosion was represented by red sprays, the fire and smoke by red carnations and black immortelles. The earnations and black immortelles. The illustration shows the location of the explosion in black.

#### Rose Notes.

How shall I manage roses grafted on the Manetti from the small pot stage up to the time of planting out, and what soil seems to suit them best? These ques-tions have been asked by many readers of these pages during the last few weeks, so to shorten up my correspondence I will try here to answer all parties interested at one and the same time.

All growers who have had much experience know how important it is to keep young roses in pots in a thrifty growing condition and avoid the hardening up or stunting process which results from being pot-bound and the lack of sufficient nourishment. This applies with equal or greater force to grafted plants, and it is possible that many of the failures and partial failure of these plants might be traced directly to this particular period of their growth. I am quite satisfied that in order to have the best success we must allow no setbacks while in pots, whether from lack of root space, too much crowdthe foliage, excessive watering, or the rawages of insect pests, such as red spider and green fly. Once the roots are lost and the foliage blighted our season's prospects become anything but rosy. Unless handled with the greatest skill, it is not safe to count on keeping them longer than from four to five weeks in the same pot; so if not prepared to plant early it is best to shift them from a 24-inch pot in a 3-inch, and when another change is demanded put them into 5-inch, with about one inch of drainage, which can be shaken off at time of planting. If they are to be planted out during May, we can use a 34-inch pot in place of a 3-inch, and save handling a second time.

It has been found out by a writer in one of our trade papers that there is a tendency among tea roses, when worked on the Manetti stock, to die off when grown to a considerable size. It is true they do act in this peculiar manner sometimes. lack of affinity probably being the cause: Beauty, Perle and Morgan particularly I have noticed, Bride, Mermet and Bridesmaid fortunately less often. The loss from this cause is sometimes large, at other times infinitesimal. This tendency may be counteracted very largely by deep planting so that part of the rose is below the surface; in that case, should the root at any time fail to sustain the top, the rose will throw out in abundance roots of its own and become practically independent. In order to be able to plant deep we must graft low and pot deep. To prevent the rose splitting off while svringing it is necessary to stake and tie as soon as they are shifted from the small pots. A neat and handy stake for the purpose, and one that is reasonable in cost, is made from No. 12 galvanized wire, cut into lengths of fifteen inches.

If the plants make ordinary growth the size of pot will hardly correspond to the amount of foliage. Because the tips look well even when the plants are badly crowded, do not imagine they are all right any way; you are surely laying the foundation for all kinds of disease, and making a nest for numerous insect pests; light, air, sunshine, should surround every plant. As to soil, I have always considered that a rather heavy clay loam furnished the ideal compost for both the Manetti and canina, the latter I know grows luxuri-antly in its native wilds in strong clay, the stronger the better, and in all my experiments with grafted roses I have worked on this basis, and in the main have been fully satisfied. In conversation with a prominent western grower, a short time ago, however, I was surprised to hear him express the opinion (based on personal experience) that the Manetti was specially adapted to the light soil of that section soil not well suited to the requirements of Bride and Bridesmaid when grown on their own roots. I menpon this to show that, contrary to preonceived opinions, the Manetti is not dependent for its best growth upon any particular kind of soil.

ROBEL SIMPSON

#### How to Grow Genistas.

The genista, are sometimes called cyticus, but the foreact being the old Latin rar cand the one with which I have been the longe t finishar, I shall use it in this paper. Comsta is a large genus, over sive species have been described. They are natives of Europe, Asia, Africa and the Canary Islands many of them are hardy, and all are of shrubby character. Genista Canarien is, from the Canary Index, and Conaccussus supposed to be

a variety of greenhouse origin, are the only two varieties usually grown for house decoration. G. racemosus, being the best in color and in habit, I grow the most of this variety.

The propagation of genistas may be done either in mid-winter or spring. I prefer the former, although they take much longer to root. But the difference in the size of plants pays for the extra time. For winter propagation take cuttings of good size (with a heel), say four to six inches long, when the plants are in a dormant condition and insert them in a propagating bed, box or pot, as best suits your convenience, with a temperature of about 55 or 60°. Wait two months or so and you will have a lot of well-rooted, stocky plants.

For spring propagation, take the ends of the young growths about two inches long. Put them in a propagating bed with the temperature of about 65° to 70°,

they burst into beauty, soon to die of utter neglect in some palatial home.

The next plan is to plunge them in their pots, in some material which will retain moisture, outside in a frame. The last is to plant them in the field as early as it is safe; lift and pot them on the near approach of frost. Of these three, the first is my method of culture, and I will describe it, as I think it gives the best results, although more expensive than the others. But quality is my aim for the results of my labor. I always find it pays, and believing you want the best methods, I will pass over the latter two.

While growing, the genista loves plenty of moisture, and a good, rich compost, consisting of one-half loam, cow manure and sand in equal parts for the other half, with a little bone meal added. Shift the plants from one size of pot to the next larger as the pots become well filled with roots. If it is your wish to grow shapely



CYTISUS RACEMOSUS

and shade from sun. Put them in thumb pots, with care not to break their brittle roots, as many plants are lost from this cause in transferring them from the propagating beds to their first pots. After they get established in small pots, there will be no difficulty in shifting from one size of pot to another.

There are three ways of growing genustas in summer and but one in winter for the best results. The first method for summer treatment is to keep them in greenhouses. That is to say, they have magreenhouse from the endly to the goare they are born there, they thrive there until at last, to give a generous reward for their land and incessant care,

plants, they will require trimining five or six times during the summer and autumn. You may trim and train them into any desired shape

I seyour fancy. Consult not the plants; they will yield to your whims in response to liberal treatment. During the summer give all the air possible to keep the heat down to about 70°, until about the end of November. Then lower the temperature to about 40° and keep your house as near that as you can. By the first of February the plants will be pretty well rested, and during this period should be given but little water. Then you may have them in bloom any time you desire up to Laster by giving them a temperature to the state of the s

ture of 50° for a week or so, then raising it to 60° and 65° and increasing supply of water.

Care must be taken in forcing during February, or you will grow them past their flowers. Cuttings rooted during the winter should make nice plants in 6 or 7-inch pots by the following year. If specimens are desired, these plants should be cut back as soon as they have finished flowering, and then treated precisely as young plants. This operation may be repeated year after year until the desired size is reached. WILLIAM K. HARRIS.

#### Carnations.

Topping carnations is a simple matter, and yet there is quite a diversity of opinion as to the proper method and the proper time. Some growers prefer pulling the top out of them very young, in fact almost as soon as they leave the cutting bench, and thus induce the branches to come out from the axils of the first leaves next the ground and make what they call a nice stocky plant. There is no question but what this does make a nice stocky plant; and so long as the plant is in a pot or boxed off it is all right, but when that plant gets out into the field and is subject to the weather it has to have very careful planting in order that the branches are not under ground at their base, and no matter how carefully it is planted the first heavy rain will wash a lot of soil into the axils of the lower leaves and among the branches, and it is ten to one that you are going to have stem rot in the field and pretty bad at that.

Take the same plant grown inside all summer you have the same trouble, and in fact more of it, for the branches close to the ground exclude the air and light from the base of the plant, and it is always subject to or ready for disease. There should be to every carnation plant at least one inch of stem between the top of the rootelump and the first pair of leaves, and by the time they are ready to house in the fall this should be increased to two inches if possible. This length of stem at the base of the plant can usually be obtained by allowing from five to seven plants and then pull the heart out between the fifth or seventh pair. In most cases this will cause the axillary buds in the four pair of leaves from the top down to develop into branches and thus give your plant a good working base.

plant a good working base.

Whether you pull the heart out between the fifth or seventh pair of leaves will depend on the growth of your plant and to some extent on the variety. If from the manner of growing your plants, or if it is a characteristic of the variety to produce considerable length of stem between the leaves, then in order that your plant does not get top heavy it is best to top when the fifth pair of leaves has developed. Where the length of stem between the leaves is very short it is better to wait until the seventh pair develops as these short, thick-set growers are more apt to branch out next the ground if topped the least bit low. The object is to have a plant that will stand erect and not topple over, for in the latter case the axillary buds will develop from the leaves turned up and those underneath would not come out thus giving you a one-sided plant that would be a nuisance all the way through, although even such a plant is better for indoor culture than one too thickly set below, as these can be tied up so that their base clears the ground.

Topping carnations should not be done



GALANTHUS CICILICUS. (See page 1157.)

at the same time that you are planting them out, for there is quite a close relationship between the leaves and the roots, and the taking away of a portion of the leaves effects a certain proportion of the roots as well. When you plant out the root action of the plants should be as near perfection as possible so that the young plant takes a speedy hold in the soil and gives the leaves a chance to make use of the rich nutrition in the outdoor air and rains. It is best when practicable to have your plants in such a shape that they will not need topping for ten days or two weeks after they are planted out. They will then be well enough started to quickly recover from the effects of the topping.

If the plants are topped a week previous to their being planted out you will get about the same results, and where there is an occasional one that needs topping as you are planting them out, better to do it than run chances of its tumbling over and making a malformed plant. There are some varieties that will branch out close to the ground in spite of all your efforts to the contrary, and for such as these it will be best to plant them on rows thrown up at least six inches above the level of the field and during the sum-mer keep the soil rigidly away from the base of the plant and you will thus get what little stem there is of them hardened to the sun and air, and by giving them the same treatment in the houses will get good results from them in spite of their growth. ALBERT M. HERR.

#### THE EASTER TRADE.

A large number of additional reports have been received from our correspondents since the publication of the issue of the 16th inst. These in general confirm the summary given last week, as may be gathered from the details of a small proportion of them, as follows:

NASHUA, N. H.—Prices and total sales about the same as last year, except on lilies, which were higher; supply ample in all lines; everything sold well.—A. G. & Co.

ALEXANDRIA, VA.—Trade shows an increase of 50%. Prices a little better than last year, except in case of Harrisii lilies, which brought a higher figure. Plentiful supply of both plants and flowers.—J.L.L.

Victoria, B. C.—Jno. McTavish reports a 20% increase in volume of trade with prices about the same as last year and plants and cut flowers in good supply; there was little call for plants, and in cut flowers bulbous stock, roses and carnations were most in demand; outlook for spring sales brighter.

San Francisco, Call—James Lynch reports total money value of sales about the same, with no increase of prices over last year. Plants and flowers nearly equal to the supply except Harrisii lilies, with very little demand for plants. In cut flowers, sweet peas, roses, violets and lilies were most in demand. Sweet peas scarce and a big figure offered for them.

St. Louis, Mo.—The Jordan Floral Company report trade generally normal, but with an active and increased demand for all blooming plants. The prevailing high prices had a tendency to reduce the volume of business done.

OKLAHOMA CITY, OK.—The Oklahoma Floral Co. report sales 50% better, prices very good. Plants and cut flowers in good supply. Good demand for white and pink carnations. House and church decorations were quite a feature.

WINNIPEG, CAN. — Richard Alston reports sales 25% better; prices the same as last year. Good supply of plants and flowers, Harrisii lilies excepted. Cut flowers most in demand were roses, carnations and double tulips, principally white.

Washington, D. C.—A 10% to 20% increase in money value in sales, prices being about the same as last year; supply of plants in excess of demand, which was not great; violets and carnations were short; among plants, lilies were in good demand.—C. L. R.

Albuqt ergue, N. M.—Total sales were about the same as last year; prices ditto; there was no demand for plants, and the supply of cut flowers was ample; bulb stock among cut flowers did not sell well, the demand being mostly for roses and carnations.—B. H. I.

Overland, Cal.—Sales about 35% better; prices same as last year. Plants and cut flowers plentiful except Harrisii lilies. Call principally for calla lilies; among plants, both longiflorium and L. Harrisii were a poor crop. Churches elaborately decorated.—H. M. S.

Milwaukee, Wis.—Messrs, Currie Bros, state that sales show an increase of 25%, with prices ruling higher than last year. Plants and cut flowers in good supply. Lilies and hydrangeas most in demand. In cut flowers all good stock of every kind was salable. No kicks at high prices.

New Orleans, La.—Total value of sales about 10° greater with prices about the same, supply of plants and cut flowers tully equal to the demand, blooming plants did not sell well; the salable cut flowers were lilies, roses, carnations and sweet peas, the war seare has injured trade—M. C.

New Bedford, Mass. Money value of sales about the same as last year with lower prices, supply of plants was not equal to the demand. There was plenty of cut flowers except violets, among plants, liles and azaleas sold well with light call for bulb stock, prices ranged high in general. L. S. H.

SALT LAKE CITY, UTAN CR. L. L. reports trade about one third larger than last year with piros about the same Plants, adout flowers were both ingood derivand with callas and bulb stock in pots a little slow. Harrish likes and carrations of in cut flowers, roses narcissisand datadalis being less called for

Local virial, k.y., Cash sales were 25% better this year and everything brought good prices. There were no good plants of any lind in the market but in cut flowers there were plenty or every kind except lines, large plants of all kinds in demand, hoves or hymeinths, especially, all cut flower stock sold about alike, violets as usual being scarce. I. H.

New Lorence, Cook Prices were the some as used with trade somewhat

poorer; cheap plants were short; wholesale prices were too high on cut flowers; carnations hard to get; lilies and bulb stock, among cut flowers, were chiefly called for; palms did not sell well; small pans of lily of the valley and hyacinths went like hot cakes.—J. S.

Brattleboro, Vt.—D. McGillivray reports a 20% increase of trade; no change in prices from last year; supply of lilies both in cut flowers and plants was short; carnations and other flowers plentiful; large demand for lilies and tulips in pots, and of cut flowers lilies, daffodils, carnations, violets and stocks were most frequently asked for.

NEWPORT, R. 1.—Prices and total sales about the same as last year; in plants, lilies, spiraea and Roman hyacinths were short; carnations, violets, Harrisii and longiflorum were short; in plants, lilies, Roman hyacinths and spiraea were most in demand with azaleas and narcissi least salable, in cut flowers, carnations, violets and lilies were most called for.—J. J. B.

OMAIIA, NEB.—Total sales show an increase of 10%, with prices about the same as last year; supply in all lines equal to the demand; palms, azaleas and cinerarias sold freely with Dutch hyacinths, evelamens and primroses going slow. There was little demand for cut bulb stock; other standard varieties of cut flowers selling well.—Hess & Swonona.

Grand Rapids.—J. A. Creelman reports an increase of 15% in sales, with prices 20% less than last year. Plants good, flowers equal to demand, with a surplus of lilies. Hyacinths, tulips and the like went fast. In cut flowers no one wanted roses, and carnation sales equaled all others combined. Violet plants lifted and potted sold at sight for 25 to 35 cents each.

Springfheld, Mo.—Trade materially increased, with prices 15% better. Plants and cut flowers in fair supply except cut lilies, which were short. Lilies in pots were most in demand. Azaleas are not vet popular with our people. But little demand for bulbous stock. The lily trade, in pot plants and cut blooms exceeded all other sales combined.—W. A. C.

Pittsburg and Allegheny, Pa.—Total sales were greater, probably 30%. Prices normal. Supply of plants and bulbs equal to the demand. Of plants, azaleas and hyncinths in pots and liftes were most salable. Palms and genistas little in demand. Of cut flowers, carnations, violets, and bulbons stock sold best. An increased demand was noted for lilies in pots. Recov.

Tacona, Wash Sales 25% greater than last year with no increase of prices except on toses and carnations, which were better in quality, among plants potted toses were scarce, and in cut flowers violets ran short; tulips in flats did not sell well while hyacinths in flats were in great demand, carnations, roses, violets and blues of the valley mostly called for, collas and tulips being the least salable in cut flowers. McCox

DESTY CITY, N. J.—Two leading florists report sales as 20% better, others reticent and stock left on hand. Prices not generally as good as last year. Plants were plentful and to spine. In cut flowers carnations were not equal to the demand and the call seemed to center on these with roses and violets. In plants hydran-

geas were too plentiful, and lilies, of course, took the lead. Business seemed to be rather unevenly distributed.—J. N.

BUFFALO, N. Y.—D. B. Long writes, city sales may be estimated at from 15% to 20% increase. Thursday fair and cool, but Friday, Saturday and Sunday weather unusually favorable. Rather more liberality than usual was shown by flower buyers, and good prices were readily obtained for choice stock. In cut flowers, carnations and violets only could be called scarce. Roses were abundant and bulbous stock a trifle overdone. Of plants, those in flower were all sold ont. Palms and foliage plants were but little called for. Cut roses did not show as sharp a demand as at some other times. Violets were probably the most active. Medium priced, good quality stock and plants, go best. Dutch hyacinths planted in pans went well. Enterprise grows apace; four extra stores or annexes were occupied on Main street alone.

#### Helpful Reminders.

Asparagus vines are making growth now, and many find that the plumosus variety is producing stems very long and full of thorns, not leafing out until they reach the glass. Do not conclude that their house is not high enough for them. If the stem was given an opportunity to grow as tall as it could, it would produce but a single whorl of leaves, which curl around the long stiff stem in a spiral form. Break oil the stem two to three feet above the ground and they will break out, making beautiful large clusters of growth which may be trained singly or to form a thick rope. After you have it strung up, fork up the soil loosely and give the bed a good top dressing.

You will be receiving orders now for filling window boxes and vases for outside decorations. It is well to solicit orders early. Your customers like plants in place by Decoration Day, and it pays to fill orders at once in your greenhouse. Make room for them by moving out your left-over stock of azaleas, primroses and such shrubbery as was foreed for Easter. Many of your verbenas and geraniums ean go into cold frames. Von can fill hoxes and vases better at home and with less material, as they will have four weeks' growth before delivery. Many plants that are pot-bound can be used that will recover entirely before delivery. This gives you many pots to use for other This gives you many pots to use for other stock. Fill in the bottom with broken pieces of soil and fertilizer. Sheep manure and bone meal mixed is good. When you fill orders don't get all colors in the same box. Pink and white is good, or light blue may go in. Scarlet and white go well with yellow. If you put in a plant with a marradsony golor such as a plant with a quarrelsome color, such as a petunia, surround it with dusty miller and separate it from other colors. Use the same care as in making floral arrangements. When you deliver, present your customer with a paper bag of earth well tertilized, with written instructions placed in an envelope instructing them towaterfreely, keep allold flowers picked off and spread the contents of the bag over the surface of their box in six weeks, this will keep the plants growing and your enterprise will be highly appreciated.

There is a time in summer and fall when every florist who uses white earnations is worted because he cannot get them as wanted. This happens every year, but you can avoid it by arranging from fifty to two hundred plants of Soupert roses, now in 3 inch pots, and within two



STORE OF ALEX. PARKS, NORTHAMPTON, MASS.

or three weeks, as soon as some bench room can be provided, plant them out. Give them rich soil and you will have quantities of flowers from July 1 to November 1. The fresh shoots are very delicate and a pretty pink, suitable for many purposes. When a day old they can be cut short for covering in design work, as they fade to a white so delicately tinted as to be quite desirable. There is a fresh crop every day during bright weather. You can easily keep this bench going until your early white chrysanthemums come in.

Azaleas are, of course, done blooming, and those unsold should be taken care of properly and immediate attention is necessary for proper care. They should be making good young growth now, on which next year's buds are formed very soon. If they do not develop properly now no amount of coaxing will revive them after a few weeks and if wilted badly at any time the result will be unsatisfactory. It is not a plant that dislikes sun, but it requires moisture and cool roots. While we have no good method of "sub-irrigation" for these plants we are obliged to give them shade, a roof of slats, a floor of ashes or gravel, with pots partly buried and water convenient. It is best to have a wall on two sides to prevent a direct circulation of air during the very hot and dry months of July and August.

Some of us have regretted that we did not have some good hybrid perpetual rose plants for this last Easter. If you want them for next season provide them right now. You can, of course, get them of nurserymen in the fall, but unless you are an expert of more than ordinary skill a field-grown plant will not please yon. Get them now; grow them in pots all summer and dry off just as those in the garden dry off. You will be reminded in October of what to do then. Baroness Rothschild, Crimson Rambler and Gen. Jacqueminot are good varieties.

Your first batch of gladioli for outside should be in before this. Any deutzias, spiracas, or other shrubbery desirable for pot growing should be propagated now. C. B. W.

## Store of Alexander Parks, Northampton, Mass.

This is a typical country florist's store, in fact has never been fitted for Mr. Parks, who took it because he could find no other; but although the store may have a rural appearance, there is no hayseed on the proprietor, who in the three years which he has been in business, has built up a large and increasing trade, to which only first class goods are supplied.

G. W. T.

#### New York.

THE WHOLESALERS HAVE TROUBLE.—
BUSINESS VERY DULL.—FINANCIAL LOSSES.
—GREEKS SUSPEND PAYMENT.—FINE
ROSES.—VIOLET MARKET GONE TO PIECES.
—SCHULTHEIS' SUCCESS.—CRIMSON RAMBLER A FAVORITE.—LOCAL LINES.

The New York cut flower wholesalers' life since Easter has been anything but pleasant. Never before in the time immediately following Easter has business been so lifeless. War prospects are, no doubt, responsible in part for the unsatisfatory state of affairs now prevailing and which is likely to continue for the balance of the spring. The growers, however. seem to place the responsibility on the wholesalers, and so the present week has seen many changes and transfers of stock from one commission dealer to another, although it is not evident to a disinterested observer what advantage is to be gained by this course. The truth is simply that there are far more flowers daily received in this market than the limited demand can possibly assimilate. The wholesaler is powerless to alter this fact, no matter what street he does business on.

Another severe punishment the wholesalers have had to submit to during the past week is the suspension of a number of Greeks, who have been conducting pretentious establishments up town. John Rovatzos, of 125th street, and Polykranas & Stravopulo, of Columbus avenue, are the two most prominent failures. The mode of procedure followed by these people in such cases is to "sell out" to others of their countrymen; the name on the window is changed, and "what are you going to do aboutit"? Greeks with \$100 bills and rolls of smaller denominations infested the wholesale districts in the days preceding Easter and carried things with a high hand generally, getting credit not only from the cut flower dealers but from the big plant growers as well. The prices the Greeks pay for cut flower stock leave very little margin to spare for bad accounts, and as most of the wholesalers have been stuck for a good-sized amount, in this instance their feelings toward the whole race of Greeks are decidedly warm. The influx of these foreigners into the flower trade here is a menace to the business in many ways, and is as unfortunate as it is unavoidable.

Much of the stock now coming in is of poor quality and is unsalable at any price, but the good material fares only a little better. Such Jacqs as Wiegand's and such Brunners as Zuber's which Thos. Young, Jr., receives, are rarely seen and have never been excelled for quality in this market, but they move slowly and at prices ridiculously low, and high-grade Beauties are equally unsalable. Carnations, at moderate figures, are selling fairly well, the supply being very limited. Violets came to the finish of their prosperity at the middle of last week, when the demand stopped short, and since them it has scarcely paid to pick and ship them.

The quality and variety of Easter flowering plants sent in by Schultheis, of College Point, would indicate that it will not be very long before this enterprising grower will become a formidable rival for the two or three big fellows who have had a monopoly of this trade hitherto. Looking back over the Easter report, nothing is more striking than the popularity which the Crimson Rambler rose developed from the start. Next season will undoubtedly see an enormous number of them forced. Crimson Rambler has caught on.

Wippermann, of Brooklyn, has taken the store on Nostrand avenue lately occupied by Rudolph Jahn, and will run it as a branch. He reports business as exceptionally good this spring.

The horticultural buildings for Bronx Park will be erected by Hitchings & Co., whose bid went in through a local contractor and stonemason, J. R. Sheehan. The plans were drawn by Lord & Burnham.

The marriage of Miss Frances, daughter of Charles Thorley, which took place on Thursday, 21st inst., was the notable event of the season.

Chas. Lechner, with Suzuki & Iida, will sail on a European trip on the Travenext Tuesday.

George II. Parsons, superintendent of Parson's nursery, Flushing, died suddenly Tuesday, April 14, aged 49 years.

#### Philadelphia.

THINGS MOVING ALONG AS USUAL AFTER THE RUSH.—BUSINESS FAIR.—INDECISION AS TO GROWING LILIES FOR NEXT YEAR.—HORTICULTURAL SOCIETY AND THE CLUBS.

Things are moving along as usual after a busyrush. The left-overstock has been sold or gone out of flower and, in ease of anything worth keeping, been sent out to the nurseries for another try next year.

Business has been fair the past week, although there has not been as many spring weddings as the boys would have liked, there have been a few good decora-

tions, but most of the affairs have been of the quiet order. Good stock is plentiful and cheap. Really fine Beauties have been sold very low, good flowers with stems twelve inches long being offered by the fakirs at two for 5 cents, and they are to be seen carrying great armsfull of long-stemmed roses, which are offered at correspondingly low figures. Brides and Bridesmaids are also plentiful and sell at very low prices, in quantity. Carnations are slightly ahead of the demand, although there can scarcely be said to be a glut. Bulbous stock is about over, although a few outside daffodils and tulips are still to be had. Ouite a lot of belated lilies are being offered at low figures.

To plant, or not to plant lilies for next Easter's trade, is bothering growers at this time. The bulb men are after orders; they are always at it. The Japanese longiflorum man says, "plant the Japs, and avoid the diseases." The Bermuda dealer says, "Easter is early next year and you won't get them in in time, Don't run any such risk, plant ours," and so it goes. The bedding plant growers are busy filling up the room made by the Easter stock and getting ready for a good spring trade. Planting out has commenced in sheltered situations, although it is not considered safe until after May 10.

There is a good demand for Crimson Rambler for planting out, but it will not be generally popular until next season. Prices for plants in pots range from 50 cents to \$1.50 at wholesale.

The inceting of the Penna, Horticultural Society, held last Tuesday, was fairly attended. Some very pretty, in fact, fine pansy flowers were exhibited. They were the Dreer strain and would earn prizes at any flower show.

Mr. Clinkaberry, gardener to Mr. Roebling, of Trenton, exhibited some new orchids. A liclia cross between L. purpurata and L. cinnabarina, buff yellow with a crimson purple tip, was awarded a silver medal. There were several others, but we refrain. A personal inspection of these jewels of the flower kingdom, is far better than any description of ours and perhaps we might get ourselves into trouble, not knowing the carats accurately enough to judge of their weight. The meetings of the society should be more fully attended; there is always something on exhibition or that transpires to repay one for the visit.

The Florists' Club is to have another theatre benefit in May. The Telephone Girl is to be the attraction, and all will, no doubt, avail themselves of the opportunity to closer inspect this much alive, but heretotore invisible lady. The shad dinner also matures in May, so that we promise to have a lively time next month.

There is some talk of the Gun Club offering their services to Uncle Sam as sharp shooters, their record the past winter surely should insure them a place in the front rank.

#### Boston.

BUSING SS DULL SINGE LASTLIC SOME, UN PILLASANT LASTLICIA MURICINES, STOCK ABUSINATA AND PRICES LOW.—A MEMORABLE VISIT TO SASHUA.—SEW CYPRELEDING STOCK AND SCAPE GARDEN FOR PRICES.

Business has been unexpectedly dull in the flower trade since haster. Nursery men and those florists who do something in the nursery and outdoor gardening line have been blessed with all the work

they could attend to, but the flower trade proper has not shown up as it should. The plants left over from Easter -and most of the city establishments, at least, had some left over—are still on hand looking much the worse for wear and with poor prospects of doing any better. Some of the surplus lilies have been used up in cut flower work, but unfortunately there has been little of the kind of work that they would fit. Even the out-of-town growers, who managed to dispose of all their Easter stock to the city establishments in advance and were very complacent in consequence have reason now to change their mind, for quite a number of them were beguiled into giving credit to a plausible individual who opened a store temporarily on Tremont street and from whom they now find it impossible to collect. Of cut flowers coming in there is a fine variety, excellent in quality and more than sufficient in quan-Violets only seem to run short, and as trailing arbutus is now abundant the passing of the violet will not cause serious inconvenience. Roses of all kinds are abundant and cheap; carnations have descended from their pedestal and once more mingle with the common people; bulbous stock of all kinds is overstocked and lilies are the cheapest kind of stock; mignouette, marguerites, mosotis, snapdragons, swainsona, heliotrope, prim-roses and nasturtiums are seen in abundance in all the windows and an occasional bunch of Blanche Ferry sweet peas adds to the variety.

Hon, C. W. Hoitt entertained a large party of his horticultural friends at his residence in Nashua on Thursday, April 14. A ride about the town was first enjoyed and then the hospitable doors of the "Hermitage" were thrown open and Mrs. Hoitt with her father and mother, Mr. and Mrs. Gilman, assisted the host in welcoming his guests. Judge Hoitt is a past master in all that pertains to the art of entertaining, with few equals and no superiors, and those who had the honor of partaking of his generosity on this delightful occasion will carry the recollection of it always as one of the brightest spots in their memory. "The house is yours," was the first word heard on arrival, and every individual was made to understand the sincerity of the remark every moment of his stay. Andmake a note of it-there were no speeches.

At Horticultural Hall, on April 16, J. E. Rothwell was awarded a silver medal for Cypripedium niveum grandiflorum and a certificate of merit for Cypripedium T. W. Bond, the result of a cross between C. Curtisii and C. hirsutissimum.

Mr. Bruton, who comes with the benefit of a thorough training at Dickson's Royal Nurseries, Chester, England, has opened an office in Boston as a landscape gardener and importer of hardy perennials. His father, Mr. John Bruton, will be associated with him and his brother will attend to the exporting business on the other side.

The store of P. W. Firth, on Meridian street. East Boston, was damaged by hire on the night of April 15, to the extent of several hundred dollars.

The annual dinner of the Gardeners' and Horists' Chib will take place at Horiteultural hall, Tuesday, May 3.

Absitors in town H. S. DeForest, representing Hitchings & Co., New York; Samuel Burns, representing Thos. W. Weithered's Son, New York; and Peter Barr. Covent. Garden, London, England.

#### Chicago.

OBSEQUIES WHICH MAKE MANY WEEP ARE A SAVING CLAUSE IN THE PAST WEEK'S TRADE REVIEW. — LARGE ADDITIONS PLANNED BY SEVERAL LOCAL GROWERS. —SUICIDE OF L. C. FARWELL. —PERSONAL MENTION.

The most notable feature of the past week's trade was the remarkable number of large funeral orders that were received. The latter part of the week several large orders for flowers came from St. Louis for the Busch funeral which occurred on Wednesday. The funeral of H. W. King, an old time and wealthy resident, kept a number of florists busy Thursday and Friday. At the funeral of Hubert Morris, the prominent young club man and son of Nelson Morris, the packer, which took place on Sunday, more flowers were used than at any other funeral in the history Three or four florists had all of Chicago. the work they could attend to for this funeral, and nearly every florist had orders for more or less flowers for it. A number of very handsome designs were made up, and I wish to note in this connection that more designs are ordered for funerals and not so many flat bouquets as formerly.

Since Monday business has been remarkably dull; only a small portion of the flowers received this week has been sold.

Wictor Brothers have just completed a range of five houses, each 20x130 feet, which they are now planting with American Beauties. This is but a small portion of the addition they contemplate making to their establishment this season.

There are several growers around Chicago who have made arrangements to make additions to their places of from 10,000 to 100,000 feet of glass. The prospect of war does not seem to deter the growers from building greenhouses.

It is reported that the Chicago Floral Co.'s greenhouses at Thirty-eighth street and Grand boulevard, which are the oldest and were for several years the largest in the city, are to be taken down and moved this summer.

Luther C. Farwell, manager of the greenhouses at Oakwoods Cemetery, shot himself at his home on Lake avenue on Tuesday, April 19. He was 27 years of age, and had been in poor health for some time. Despondency is given as the cause of his suicide. Farwell is a brother of Frederick M. Farwell, president of the Oakwoods Cemetery Association, and the family owns the greater part of that beautiful burial ground.

Louis Hunt, of Terre Hante, Ind., was in the city this week.

E. H. Hunt, who has been sick for several weeks, is improving, and hopes to get down to business in a fewdays. Walter Heffron, who for the past two years was with Mr. Hunt in the cut flower department, is now with E. C. Amling in a similar capacity. Mons, Olsen, the old-time wholesale florist, who for several years was with Reinberg Bros., now presides over the cut flower department for Mr. Hunt.

John Poehlman, who has been siek with typhoid fever since Easter, is improving.

O.J. Friedman is very sick with typhoid fever.

O. P. Bassett is at West Baden, Ind., for two weeks, Flint Kennicottstarts for the same place to-day.

Visitors J. Blaanw, representing J. Blaanw & Co., and P. M. Koster, of Koster & Co., both of Boskoop, Holland.

## The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago,

WE have to thank Mr. C. W. Sibley, of Athol, Mass., for a well-filled box of mayflowers. In fragrance and color the flowers were exquisite.

President S. T. Betts, of the Central New York Horticultural Society, mailed his friends a pretty Eastercard last week, the American Florist among the number.

AN ANNUAL DAFFORK exhibition is held in the Isle of Wight. At the exhibition just closed Messrs. Barr & Sons staged nearly 200 vases of this flower.

STEAM LAWN MOWERS are being quite largely advertised in the English papers. We believe there has been no attempt to put them on the market in this country as yet. Our English cousins are a little ahead of us in this respect. To an American, the cuts and descriptions of the English mowers are quite amusing. They are uniformly heavy, complicated affairs, the 21-inch machine requiring two men to operate it, while the new models of all-steel American mowers, in 21-inch widths. can be readily operated by one man. Perhaps this explains why they use steam.

#### Cut Flower Price Lists Received.

H. L. Sunderbruch Co., Cincinnati; Ellis & Pollworth, Milwaukee; Basset & Washburn, Chicago; Kennicott Bros.
Co., Chicago; Vaughan McKellar &
Winterson, Chicago; W. A. McFadden,
Cincinnati; City Hall Cut Flower Market,
Boston; Wm. F. Kasting, Buffalo; Holton & Hunkel Co., Milwaukee.

#### Greenhouse Building.

North Easton, Mass.-Oakes Ames, one palm house, 35 x 35; one cattleya, cypripedium and cool orchid house, each 20 x 44. Lord & Burnham, builders.

South Lancaster, Pa.—E. V. R. Thayer, one greenhouse, 40 x 100.
Oneida, N. Y.—J. C. Grems, one com-

mercial house.

Fitchburg, Mass.—C. E. Mansfield, one commercial house.

Monroe Bridge, Mass. — Rammage

Paper Company, one greenhouse. West Chester, Pa.—M. Meyer, six greenhouses.

Holbrook, Mass.-A. Belcher, range of greenhouses.

Rockland, Mass.-W. D. Arnold, one greenhouse.

Middlebury, Vt.-Herbert Bros., one greenhouse.

Lewiston, Me.-E. Saunders, one commercial house. Watertown, Mass.-J. Hittinger, range

of forcing houses. Fairhaven, Conn.-S. T. Bradley, one

carnation house, 16 x 70.

Bar Harbor, Me.—J. Montgomery Sears, one conservatory, 10 x 34. Middlebury, Vt.—Hunt Bros., one green-

house

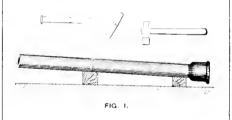
#### Steam and Hot Water Heating.

PART III. CUTTING AND CALKING CAST IRON PIPES.

Although it appears quite difficult to cut cast iron pipe even and square without breaking or cracking the lengths, with out breaking or cracking the lengths, with a little practical experience, using the proper methods, it is in reality an easy and simple matter. There is no better way to tell a good or bad quality of cast iron pipe than by cutting it in two. And the better the quality of the iron the quicker and the more safely it can be cut. A good quality of cast iron pipe is soft, but tough, and will stand greater strains and is less liable to cracking than pipe of a harder nature. Consequently the best quality is the cheapest for all concerned. It can be handled in transportation from the foundry with less breakage. It can be handled, cut and fitted by the pipe fitter in less time than it takes to do the same amount of work with pipe of a

cheaper quality.

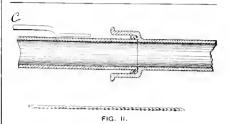
A cheap quality of castiron pipe is never soft, so that this is a very good rule to go by in the selection. With the proper tools, good cast iron pipe can be cut, as the practical man calls it, like cheese, and there will be scarcely any danger of cracking. For the practical work of cutting and caulking there are only a few tools necessary, but it is well to have dupli cates of these. With a good se, of tools there is no great difficulty in executing the best class of work. Therefore this is a matter that should receive special consideration. A good hammer should always be among the set of tools, and for this purpose there is none better than what is known as the machinists hammer, of the pattern shown in the accom-



panying illustration, fig. 1. Cape or diamond pointed chisels are used as a rule in

the shape of a block of size way. The latter of the size of a block of size way. the shape of a block of pine wood. This supports the pipe in such a manner that the blow affects no other part except the point that is being cut. It is a good plan to carefully mark the pipe all around where it is to be cut off, so as to follow this line with the chisel, although the average experienced mechanic can cut a perfect line around such pipe without having a mark to go by. It is not necessary to go deep into the metal; a depth of an eighth to three-sixteenths of an inch will generally be sufficient, and this cut must extend all around the pipe. The diamond nose chisel wnich is used more especially for this work is V shaped at its lower point, and therefore makes a V shaped cut. This style of chisel is the best for this purpose as it clears itself besides cutting deep, and removes but little metal. This part of the cutting being done on the joint of the pipe, if it does not fall apart after the cut has been made all around, a cold chisel is then used to make the cut deeper and it will be found that a few blows from the hammer

and cold chisel, a few tuches apart around the cut, will cause the pipe to fall asunder. For this work the chisels must be sharp, and well tempered, and should be made of the best refined tool steel. There have been many attempts at making pipe cutters for cast iron pipe, but so far as the writer knows, there has never yet been



one that has proved successful, and the old chisel and hammer are still the best far this important piece of work, not withstanding the great advancement made in every branch of the various mechanical trades.

The joints of cast iron greenhouse hubjoint heating pipes are caulked usually with iron borings, or filings, and are called rust joints. The sectional view of a hubjoint is shown in fig. 2. In making these joints a few strands of tarred rope are twisted together and inserted into the hub, forming a ring all around the bottom. Selected oakum is also used for this purpose. The rope is driven tight into the hub by a caulking chisel, which has a blunt end, and is bent in shape as shown at c, in fig. 2. The rope being tightly caulked into the hub, the next operation is to partly fill the hub with cast iron borings, which is made wet, or moistened with salammoniac water. A second layer of the rope packing is sometimes used over the first layer of iron borings, and then the joint is finished with iron rust again on the outer end. This is all carefully caulked with a blunt tool and hammer, but must not be made too tight or too solid, as these iron borings moistened so as to rust quickly, expand in solidifying, and if care is not exercised the hubs will crack from the pressure due to expansion.

There are specially prepared compounds in the market for the caulking of greenhouse heating pipes which are applied in the same general way as described above, and from observations by the writer answer the purpose in a very satisfactory manner. Cast iron hub joint gas and water pipes are usually caulked with molten lead, first being packed with rope, or picked oakum, as in the above cases, but for hot water pipes, which are continually undergoing great changes in temperature, the lead would not prove satisfactory, for the reason that it would soon become loose from expansion and contraction, and allow the water to leak at every joint in the system.

JAMES J. LAWLER.

THE Elizabeth Nursery Company has been awarded the contract for supplying trees for the public parks of Paterson, N. I. this season.

Providence, R. I.—Thomas, W. Weathered's Son has the contract for the new greenhouses to be erected at the North Burial Ground.

Tol.EDO,O .- W.W. Hicks entertained the Florists' and Horticulturists' Society on April 14. Mr. Tracy was the essayist of the day and read a practical paper on spraying.

#### Grafted Roses.

"What's all this talk about grafted There is nothing new them?" Thus spake an old-timer only a day or two ago. It is true there is nothing new about grafted roses; for all novelties, no matter whether they are teas, hybrid teas, or hybrid remontants, or what not, are invariably grafted on one or the other of the stocks now in use, because with the limited number of "eyes" on hand, and the high prices at which they are sold, grafting is the most expeditious and economical method of working up a stock of a new rose.

In Europe, whence most of the novelties in roses come, they have a variety of stocks that are used for the purpose indicated; namely, Rosa canina (the English brier), which is said to suit some of the varieties best, and the Manetti, which we are told is a wild rose introduced from Italy, and is the one which is being generally used at this time in America on which to graft some of our most popular roses

for winter forcing.

There are other stocks on which to bud or graft roses, and it may be necessary to experiment somewhat in order to determine which is best for certain varieties and different soils. The De la Grifferie is used to some extent in Europe, and it is believed by many to suit some varieties best, especially the teas. Rosa Carolina, a native of this country, 1 believe is largely used in the lowlands of Holland for budding purposes, and the roses resulting from the union are much in evidence in many of the department stores here in these days. It must be the best for moist lands; but it frequently fails to render a good account of itself when planted out in this country, just because it does not receive sufficient water, and on account of the uncongenial environment.

There are quite a number who intend to give the grafted stock a trial next winter, and the results will be watched with keen interest by the rose growers for cut flowers in general. There will be some failures no doubt, or rather, perhaps, the difference will not be sufficiently profitable to warrant going to the additional expense in the purchasing of stock for planting. However, it is all in the line of progress, and notwithstanding the fact that there is nothing new about grafted roses, the way in which it is being adopted in this country at this time may be considered comparatively new-

#### An Easter Incident.

Lam a rose grower and dispose of my buds at wholesale. On Saturday, the day before Easter, a lady drove into my place and inquired for Easter filies in pots to put upon her little haby's grave. I had to say that I did not have any, when I bethought myself that a near neighbor might have a rew left. I hesitated about sending the lady to him because he was not acquainted with her nor any of the circumstances in the case, so I went my self. It was early in the atternoon, and the neighbor was busy entling everything in eight for his second trip among the dealers. Immediately upon my stating my errand he promptly said. "Pick 'em our where you like 600 curs a piece

They were a west looking lot, spindling and averaging three flowers to a plant and growing in 1 inch pots. The stakes though hear, and strong were not nearly long on augh, consequently the stems topped around a good deal. In order to grafity the good linty exact, I ordered

some, and being happy because I was accommodating her lost sight of the price asked. Fortunately, or unfortunately, the lady did not inquire the price but ordered the plants to be sent as soon as possible. New and larger stakes had to be provided, also some five inch pots, and after the excitement had subsided and the plants had been dispatched, I proceeded to enter the charge in the day book, when it dawned upon me that I had had my leg pulled and in consequence I have been walking with a decided limp ever since.

I tried the regulation methods and made a charge of \$1.20. I could hardly get a wink of sleep that night thinking of the profits I had made on that sale, so I have compromised and made a charge of 75 cents. That is yet an awful high price for such poorly grown plants. Honestly I never saw such poor stock offered for sale at Easter or at any other season. If it was not for the dreaded disease I would go into lily growing myself. Next year if I do not have any lilies, I will unhesitatingly say so, and I won't know whether my neighbor has any or not. He is like the farmer who was relating to a stranger that he was getting \$4.50 a dozen for his eggs. "Isn't that kind of high?" inquired the stranger. "Yes," said the farmer, "it is, but I need the money.

So it is with this lily grower, for a few evenings before he and some friends met and had "a little game." Along toward quitting time there was a "jack-pot" which he opened for the limit and drew two cards. There were others who also drew two cards. The betting was fast and furious until two only remained in the game. Finally a show down was paid for, and the man who quoted Lilium Harrisii at 60 cents each, held four sevens to the other man's four eights. Is it any wonder he is endeavoring to replenish a depleted exchequer?

#### It Never Fails.

ED. AM. FLORIST.-The advertisement in the AMERICAN PLORIST has brought me a fine position with Mr. C. II. Kunzman, 3710 High avenue, to which address you will please send my copy of the paper. John C. Ruysenaars.

Louisville, Ky.

Columnta, S. C.—A highly successful floral festival was held here April 21.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 188 is entitled to a five-hise want adv. Free to be used at any time during the year.

STIT ATION WANTED By an experienced grower of roses extrations minus and bedding plants; see 27 J. HANK 716 Third Ave., Brooklyn, N.Y.

SPITATION WANTED By forist 22 years experimen age 35 Address Box 14 Inmellen, N.J.

SHI ATION WANTED Assistant private or com-nected place, events general experience, age 23 References State wiggs GEO NEV. Hucoln Neb

STITATION WANTED. By a first class grower of roses mains, carmations, violets, toundors, cu-curaters and other plants. Hest references, married, re-thiden. F. I. IONIZ.

5. Bunerville. Lancaster City, Pr.

STILL VITON WANTED. By young termon of good bubble as apprentice in a commerce of place; tody after acid will log to work for small wages in the begin clog. Circhmost or yield its preferred. Address static kg wages patholins. If H acid care Am Florist

VNTED: An all r und greenhouse man, married Wages to Tipolic JACON MEYER, Worten Grove, III.

WANTED: A gentleman who understands the seed business, state age nationality and wages ex-pected. S.S. (are American Florist

WANTED—Good florist for greenhouse work; steady position for the right man.

GARFIELD PARK FLORAL CO.

1088 W. Madison St., Chicago.

WANTED—Three or four tret-class men for working in paims and stove plants. Wages no object to right men. Send copy of reterences. Address S P II, care American Florist.

WANTED ATONCE-Good florist for general green-house work Wages \$20 per month with board, and increase ween satisfactory. Hill Shale Floral Park, Hillsdale, Mich.

WANTED-By May 1st, a florist, German and single preferred. Must be a good, all-round man, with some knowledge of design work. Will pay \$25 per month, including board and washing BOLANZ BROS, Akron. O.

FOR SALK-Greenhouses on principal street to the city. For particulars apply to J. H. REBSTOCK, 584 Main St., Buffalo, N. Y.

FOR SALE-Florist's single covered wagon; height about 5 feet, width about 4 feet, length about 7 feet; huilt to order, costing \$250. Used but 2 years. Will be sold cheap for cash.

VAICHAN'S SEED STORE, BOX 688, Chicago.

TOR SALE—The greenhouse establishment of Schiller & Kuske, formerly Schiller & Mallander, is offered for syle at a great sacrides; \$9000 will buy 21%20 seres of valuable ground, 23 greenhouses, comprising 56 000 square feet of glass; wells, 2 nice dwelling houses, sheds, etc., located in the village of Niles Center, about 12 miles from the heart of Chicago; 13% miles to deput. Terms, \$5500 cash, balance on time; investigate. Address correspondence to Poelilmann Brys. Morton Grove Cook Co., Ill., or Herman Schiller, \$20 W. Madlson St., Chicago.

## WANTED AT ONCE

A good all-around greenhouse man; voung; single; one who is not aireld of work; wages \$20.00 to \$30.00 a month with board and room, according to shillty; steady work the year around; references required.

CRAMER, The Florist,

## FOR SALE

Six Greenhouses: about 14,000 feet of glass, well stocked; wholesale and retail; town of 4,000; no competition; less than one hundred miles of Chicago; two railroads. For particulars address

"A," care American Florist.

## FOR SALE OR RENT

VERY CHEAP.

Loffer for sale or rent my undivided half interest of the real estate of the greenhouse property formerly known as Schiller & Mallander situated in the village of Niles Center, about 12 miles from business center of Chicago and 15g miles from Morton Grove R. R. Depot. The property consists of 23 greenhouses, 2 dwelling houses, barns, wells not necessary sheds on 219-20 acres of land Investigate. Price for undivided balf, \$1.000 cash, balance payable in seven yearly luntaliments, secured by mortgage, notes bearing 6 per cent. Interest, Or will rent or lease to some responsible party for a term of years at an annual rental of \$150,000 giving option to lease to buy my interest for above stated price, provided that and leasewill make repairs the first year to the extent of \$1,000. Will acquire deed to property May 18. Address

#### MRS. B. KUSKE.

Care Poehlmann Bros., Morton Grove, Cook Co., III..

## **EXECUTOR'S SALE**

Fine Specimen, Ornamental and Japanese Plants. Rare Orchids, Vases, etc., at the Hayes Estate "Oakmount,"

## Lexington, Mass. SATURDAY, APRIL 30, 1898 AT 10 A. M.

All the plants on this large estate. Azalens Rhododendrons Palms, Bay Trees, Orange Trees, Rubbers - English Holly - Hydrangens, Agaves, Bendrodiums to logynes, etc., etc. - One of the finest enflections of plants ever offered for public competition. Can be seen on and after April 26. Ferms cash; deposit required. Trains leave 1 nion Station Boston, at 8,17, 9,17 and 10-17 year.

Friday April 29 at 10 year the furniture, paintings, change begans as brue sete, will be sold

EDWARD HATCH, Auctioneer, 22 DEVONSHIRE ST., - BOSTON

#### Hardiness of Ampelopsis Veitchii.

ED. AM. FLORIST: Should like to hear through the columns of your paper whether the Ampelopsis Veitchii is a satisfactory hardy climber in this state. I have heard it will not grow well here and is only satisfactory near salt water. CHAS. A. Moss.

I have grown Ampelopsis Veitchii in Iowa for over twenty-five years and now have a specimen growing to the roof of a two-story brick building. For some reason they are not reliably hardy here. They die to the ground every four or five years and sometimes die outright. I have tried them on every side of a building and they act the same. Twenty years ago I had them completely covering the east side of a church thirty feet high, but they are all dead now. J. T. TEMPLE.

## A Red Flag

Is hung out every Tuesday and Friday. Florists who want to buy and Florists who want to sell meet on common ground at . . . . . . . .

## CLEARY'S **AUCTION ROOMS**

New York's Floricultural Center.

## N. Y. GUT FLOWER EXCHA

404-412 E. 34th St. Near Ferry Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

## HOLTON & HUNKEL CO.

SUCCESSORS TO

The Wisconsin Flower Exchange.

Fresh Cut Flowers, Florists' Supplies Manufacturers of WIRE DESIGNS

Consignments Solicited.

Phone Main 874

457 Milwaukee St., MILWAUKEE.

2-in. per 100 3-in. per 100 \$5.00 Am. Beauties . . Perle . . . . . . . \$2.75 4.50

Bridesmaid ... 2.75 4.50 MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

## Asparagus Plumosus

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

## Memorial Rose

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON, MORRISVILLE, Bucks Co., PA.

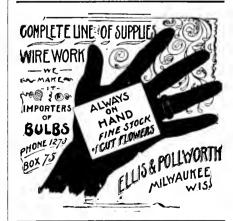
## Wholesale Flower Markets

| Cincinnati, April 21.                                                                                    |
|----------------------------------------------------------------------------------------------------------|
| Books Browther wilder April 21.                                                                          |
| Roses, Beauties, *elect                                                                                  |
| " medium 10.00@20.00                                                                                     |
| Deldon 1.00@ 5.60                                                                                        |
|                                                                                                          |
|                                                                                                          |
| " Meteors 5.00@ 6 00                                                                                     |
| 1 Dorlo 2 00@ 1 00                                                                                       |
|                                                                                                          |
| Carnations                                                                                               |
| 40.000                                                                                                   |
| " fancy 2 00                                                                                             |
| D deles25@ .35                                                                                           |
| Lily of the valley                                                                                       |
| in the same same same same same same same sam                                                            |
| Sweet peas                                                                                               |
| Harristi                                                                                                 |
| Callas 8.00@10.00                                                                                        |
| 7 Alias 5.00@10.00                                                                                       |
| Smilax                                                                                                   |
| Adiaotum 1.25                                                                                            |
| Adiabudi                                                                                                 |
| Asparagus 40.00                                                                                          |
|                                                                                                          |
| St. Louis, April 21.                                                                                     |
| Bones Beauties and Indian and Indian                                                                     |
| Roses, Beauties                                                                                          |
| " Meteors 3 00 a 10 00                                                                                   |
| Meteors                                                                                                  |
| Portor 2 00G # 00                                                                                        |
|                                                                                                          |
| " Kalserin. 4.00@10.00<br>Carnations. 50                                                                 |
| Camathan                                                                                                 |
| Carnations                                                                                               |
| Violets. California 1.00                                                                                 |
| Llly of the vailey 2.00                                                                                  |
|                                                                                                          |
| Harrisii                                                                                                 |
| Callas 10 00                                                                                             |
| Tuling                                                                                                   |
| Tulips     3 002 5 00       Narcissus, Romans     1 00@ 2 00       Smilax     15 00@ 20 00               |
| Narcissus, Romans 1 00@ 2.00                                                                             |
| Smilax 15,006,20,00                                                                                      |
| Proces                                                                                                   |
| Freesla 2.00@ 2.50                                                                                       |
|                                                                                                          |
| MILWAUKEE, April 21.                                                                                     |
| Roses, Beauties                                                                                          |
| Roses, Beauties                                                                                          |
|                                                                                                          |
| " Perle 3 00@ 4.00                                                                                       |
| 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4                                                                  |
| " Meteors 3 00@ 5 00                                                                                     |
| Carnations                                                                                               |
|                                                                                                          |
| Violeta                                                                                                  |
| Tulips, Daffodils                                                                                        |
| Lilviii the valled 2 m/s. 4 m.                                                                           |
| Marguerites, white                                                                                       |
| Marguerites, white                                                                                       |
|                                                                                                          |
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|                                                                                                          |
|                                                                                                          |
|                                                                                                          |
| Yellow                                                                                                   |
| Yellow                                                                                                   |
|                                                                                                          |
| Hyacintbs   3.00@ 4.00     Callas, Harrish   8.00@1.00     Smilax   15.00@ 19.00     Adiantum   75@ 1.00 |
| Hyacinthe                                                                                                |
| Hyacinthe                                                                                                |
| Hyacinthe                                                                                                |
| Hyacinthe                                                                                                |
| Hyacinths                                                                                                |
| Hyacinths   1504   100                                                                                   |
| Hyacinths                                                                                                |

## **Flowers** Business

2) cents enclosed in stamps will bring you samples that will interest you......

DAN'L B. LONG, Publisher, **BUFFALO.** 



#### ASHES CHEAP. ALSO PURE GROUND BONE.

Write for prices CEORCE STEVENS, Peterborough, Ont.

## C. A. KUEHN, Wholesale Florist.

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

## MOUND CITY CUT FLOWER CO.

Wholesale Florists.

CONSIGNMENTS SOLICITED

Special attention given to shipping orders 1322 Pine St., ST. LOUIS, MO.

C. W. WORS 2740 Olive Street.

ST. LOUIS, MO. WERS ....wholesale....

.....ROSES, and a full line

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ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

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NEAVE BUILDING. CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

**GOOD STRONG AMERICAN BEAUTY** 

AND CYCLAMEN PLANTS

2-in. Pots Ready for Delivery.



## Hunt

THE "OLO RELIABLE" FOR

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

## WHOLESALE CUT FLOWERS AND FLORISTS SUPPLIES. WIRE WORK 88 WABASHAVE CHICAGO.

## E. C. AMLING. WHOLESALE

Consignments Solicited.

CHICAGO.

Prompt attention to shipping orders.

## A. G. PRINCE & CO.

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

88 & 90 Wabaah Avenue.

Telephone Main 3208.

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Mention the American Florist when corresponding with an advertiser.

## S. B. WINTER,

(Successor to WINTER & GLOVER,)

21 Randolph St., Chicago.

HIGH GRADE JU

PACKED RIGHT,

so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our lilustrated Catalogue.



## Wholesale Flower Markets

|        | CHICAGO, April 22.                         |
|--------|--------------------------------------------|
| Roses. | Beauties., per doz. 1,50@3,00              |
| 11     | Brides 2 00@ 4 00                          |
| **     | Meteors, Bridesmaids, Kaiserin, 2,00@ 4.00 |
| +1     | Gontlers 2,00@ 3.00                        |
| 11     | La France. Testout 3.00@ 5.00              |
| Carna  | lons, common 50 @ 1.50                     |
|        | fancy 2.00@ 5 00                           |
| Violet |                                            |
| Narcis | sus Poeticus                               |
| Harrie | ⊓. Callas 4 00@ 6 00                       |
|        | the valley 2.00@ 3 00                      |
|        | 1.00@ 3.00                                 |
|        | pens 50 a I.00                             |
|        | iths 3.00% 6.00                            |
|        | um                                         |
|        | 10.00@15.00                                |
|        | gue 40.00@75.00                            |
| Pansic | 8                                          |

## Bassett & Washburn's **ROSE PLANTS**

We have an extra selected stock of the following Rose Plants Will suarantee them to be as fine as any grown

|                        |            | ) Per 1000 |
|------------------------|------------|------------|
| American Beauty216-In. | pot, \$5 ( | 00 \$40 00 |
| Brides                 | 3 (        | .0 - 25.00 |
| Bridesmaids            | 3 (        | 25.00      |
| Kaiserin               | 3 3        | 50 30.00   |
| President Carnot       | . 3 /      | 50 30.00   |

## BASSETT & WASHBURN,

Store: 88 Wabash Avenue, CHICACO, ILL Long Distance Thone Main 223.

Creenhouse and Residence, Hinsdale, III.
Long Distance Thone No. 10.



## Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

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III West 30th Street, NEW YORK.

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Cood Money for your Flowers. Cood Flowers for your Money.

49 WEST 29TH ST., NEW YORK. TELEPHONE 1675 38th St.

## THE NEW YORK GUT FLOWER CO.

119 and 121 West 23d Street. 112 and 114 West 24th Street,

Telephone 733-18th.

CONSIGNMENTS SOLICITED. Special Attention Given to Shipping Orders.

## ROGERS PARK FLORAL CO..

Wholesale Growers of

51 WABASH AVENUE,

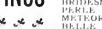
CHICAGO.

HEADQUARTERS FOR AMERICAN BEAUTIES.

WHOLEBALE GROWERS OF

## FLOWERS...

600,000 feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are Headquarters for line American Beautles. Give us a trial and convince yourself. It is a  $\sqrt{4}$  of  $\sqrt{4}$ 



AM BEAUTIES #50.00 12,50 12,50 12,50 12,50 12,50 12,50 1.50 BRIDESMAID
PERLE
METEOR
BELLE SIEBRECHT

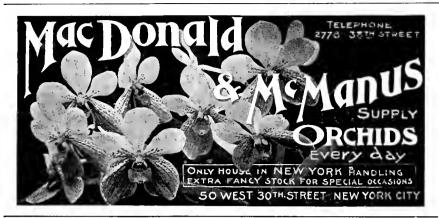
#### ROSE PLANTS

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| Meteor      |     |    |    |    | ٠. |    |    |     |    |   |   |    |    |   |   |   |   |   | , |    |   |   |     |   |    |     | 3   | 0 | Ú. | 25.00    |
| Perle       |     |    |    |    |    |    |    |     |    |   |   |    |    |   |   |   |   |   |   |    |   |   |     |   |    |     | 3.  | 0 | 0  | 25 00    |
| Bridg       |     |    |    | ,  |    |    |    |     |    |   |   |    |    |   |   |   |   |   |   |    |   |   |     |   |    | . ! | 2   | 5 | o  | 22,50    |
| Bridgemaid  | ١.  | ٠  |    |    |    |    |    |     |    |   |   |    |    |   |   |   |   |   |   |    |   |   |     |   |    | . ! | 2   | 3 | u  | 22.50    |
| La France   |     |    |    |    |    |    | ,  |     |    |   |   |    |    | , | ï | , |   |   |   |    |   |   |     |   |    | . ' | 2.  | b | 0  | 22.50    |
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#### ROOTED CARNATION CUTTINGS

|                 |     | _  | •   | ••• |     | •  | •   | • | ٠.  |     |   | •  | •   | - |    | ٠  | •  | • | ۰ |   | • |       | <b>U</b> . |
|-----------------|-----|----|-----|-----|-----|----|-----|---|-----|-----|---|----|-----|---|----|----|----|---|---|---|---|-------|------------|
| JUBILEE         |     |    |     |     |     |    |     |   |     |     |   |    |     |   |    |    |    |   |   |   | 2 | .00   | 15.00      |
| Wm Scott        |     |    |     |     |     | ,  |     |   |     |     |   | ٠, |     |   | ٠. | ٠  |    |   |   |   |   | 1 (8) | 7.50       |
| Nancy Harks     |     |    |     |     | . , | ,  | , , |   |     |     |   |    |     |   |    |    |    |   |   | , |   | 1.00  | 7.50       |
| Tidni Wave .    |     |    |     |     |     |    |     |   |     |     | , | ·  |     |   |    |    |    |   |   |   |   | 1.00  | 7.50       |
| Porth.          |     |    |     |     |     |    |     |   |     |     |   | ,  | , . |   |    |    |    |   | , |   |   | 1.00  | 7.50       |
| Lizzle Metiowa  | ٤). | ., | . , |     |     |    | ,   |   |     | . , |   |    |     |   |    |    |    |   |   |   |   | 1.10  | 7.50       |
| Goldfinch .     |     |    |     |     |     | ٠. |     |   |     | . , | , |    | . , |   |    |    | ,  |   |   |   |   | 1.00  | 7.50       |
| Mrs. Thompson   | ١.  |    | . , |     |     |    | ٠   |   |     |     | , |    |     |   |    |    |    |   |   | , |   | 1.00  | 7.60       |
| Unybreak        |     |    | r   | ·   |     | ٠, | ,   |   |     |     |   |    |     |   |    |    |    |   |   |   |   | 1.50  | 12,50      |
| Emma Wocher     |     |    |     |     |     | ,  |     |   |     |     |   |    |     |   |    |    |    |   |   |   |   | 1,50  | 12 50      |
| Meterir .       |     |    |     |     |     |    |     |   |     |     |   |    |     |   |    |    |    |   |   | _ |   | 1.60  | 12.50      |
| Lizzie Gilbert. |     |    |     |     |     |    |     |   | . , |     |   | ·  | . , |   |    |    | į. |   | i |   |   | 1.50  | 12,50      |
| Harrison's Whi  | t4  | 4  |     |     |     |    | ,   |   |     |     |   |    | ,   |   |    |    |    |   |   |   | Ċ | 1.60  | 12,50      |
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Kerosene was applied to several varieties of fruit, ornamental and forest trees at the Ohio Agricultural Experiment Station, for the sole purpose of determining definitely the effect of pure kerosene, applied during a hot, sunshiny day in September. The result has been that peach and plum to all appearances are dead. On the condition of the other varieties of trees, it is deemed best not to make any statement until they have had an opportunity to put forth foliage if they do at all.

It is very unfortunate that it was this same Dr. Smith who a couple of years ago very highly recommended the use of dendroline, to be applied to trees to protect them from insect attack. According to all reports received up to date, not only from individuals, but from experienced station workers, this has almost invariably killed the trees wherever it was applied. It would not seem that this was just what we would expect from following the advice of a scientific man, and will certainly create suspicion that statements coming from the same source with reference to this San Jose scale will not be more reliable.

We know that the San Jose scale in Ohio to-day threatens to be the most dangerous insect enemy the state has yet R. H. WARDER. known.

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#### Milwaukee.

BEAUTIFUL CINERARIAS IN FOREST HOME CEMETERY .- HOW M. B. CURRIE GROWS THEM .- TALK OF CREAM CITY EXPERTS. -NOTES.

James Currie, Jr., was recently asked how the Forest Home cemetery produced such beautiful cinerarias as were seen and admired the last two seasons. We have read lately that this plant was worthless, but the party making such a claim never saw Mr. Currie's plants. They were a grand sight, and no commercial grower would regret having a number of them left on his hands. Mr. Currie gave me concisely the points for producing such a stock. Seed is sown in the first week of August, plants are pricked off into flats as soon as large enough for handling in rich, light soil, so as to take out easily for potting; as soon as four character leaves show put in small pots; keep shift-ing until 7-inch pots are filled; at no time allow them to become pot-bound, neither must they be allowed to wilt. One common mistake, he says, is to set them too close, so that they cannot develop the foliage perfectly, and without good foliage flowers will not be good. Another mistake is to permit the temperature to go above 45°. When the leaves are large cinerarias are apt to be troubled with green fly. To avoid this cut to bacco quite finely and lay it over the benches between the pots. Keep plants well up to the light. When buds are forming it is well to cut out a few of the leaves; the flower stalk will then develop larger.

Frank Dilger happened in while we were talking, and the conversation turned to hris Hispanica and ixias. Mr. Dilger is an enterprising grower and is awake to the modern demands. These irises are beautiful. The flowers are easily handled and sell quickly. I don't know how they pay and didn't ask, but the bulbs are very cheap and Frank would not be discarding roses to make room for them if there was not some profit in them. He says he is pleased with results, but thinks he can improve another year. When bulbs arrive from Holland he puts them into flats and stores them away like hyacinths for rooting. He does not bring them into heat until February, and then only to a temperature of 45°. Alter they make a good growth he moves them into a warmer house. They want rich soil and should not wilt. The bloom appears in about nine weeks after they are brought into warmth. If they are brought in too early they fall right over as if they were cut. Mr. Dilger favors growing the mixed varieties, because they are early and late together. He puts them in closely and the early ones are cut out before the later ones require light. Mr. Dilger has other uncommon bulbs with which he will surprise this market next season. When asked how to grow these beautiful ixias he replied: "They are the easiest of all. Treat them exactly as you do freesias and you will have the same result.

William Currie, when asked how he managed to produce such a gorgeous display of hydrangeas for Easter, said the cuttings were made last season and grown in rich soil in pots all summer. In October they were set outside and hardened off. They were put under benches until January, when they were brought into a temperature of 65° and watered freely. When asked if he did not shake them out in January and give fresh soil Mr. Currie said: "No; you can't get them in so early if you do." The plants made a grand display, and Currie Bros.' window has been quite an attraction for two

weeks.

There is some talk of calling A. Billings' place "Lily Dale," as we call him the Lily King. It is the general feeling that his plants for Easter were the finest lot any of us ever saw. Holton & Hunkel say they could not sell any others while his lasted. Of course we all want to know how he produced them, and when we are told it sounds very simple. He purchased Japan-grown longiflorums; potted them in September; set outside until cool weather, and then moved into a house, open roof, running north and south. After chrysanthemums were over he gave them moreroom; kept temperature about 50° until March, then 60°; watched watering carefully. The plants were two to two and a half feet high, strong, perfect foliage, clean flowers, no wrinkles or deformities, and of something like a thousand pots it was impossible to say which was the best. One important item which should be mentioned in connection with Mr. Billings is that all his potted plants are fine; everything he grows is a perfect specimen. He is also a mushroom grower. The soil used for mushrooms is very rich, and after it is thrown out he uses this soil for his pot plants. The way everything grows in it is a caution.

The next noteworthy product of Milwaukee is the mignonette grown by Charles Zepnick. He has supplied the market with plants measuring 18x10 inches, with enormous spikes, since December 1 to the present.

Quite a number of florists had orders for the inauguration of the new Common Council last Tuesday. Binzel & Kellner appeared to take the lead.

The demand for sweet peas and clematis appears to be greater than common.

Prices are very good.
The Whitnall Floral Co. are using a fine lot of Baroness Rothschild roses, both cut flowers and pot plants.

Binzel & Kellner will move to temporary quarters soon to remain while a new building is being erected for them.

Ben Gregory is cutting good sweet peas. Trailing arbutus is expected next week. Mr. D. S. York has established himself

at the corner of Jefferson and Ouida streets, with a stand of flowers just outside the drug store.

C. B. W. side the drug store.

ALLEGHENY, PA.—Robert Faulk has raised a company of 100 sharpshooters and has offered Secretary R. A. Alger its services in the war with Spain. Mr. Faulk has lived in Ross township for forty-eight years and has been in the flower trade for sixteen years. He is a Grand Army man, having served in the Eighty-seventh Pennsylvania Volunteers during the Civil War, and in his new organization has three sons, each of whom is a member of Nevin Camp, No. 33, Sons of Veterans, three brothers and at least a dozen cousins.

HARTFORD, CONN.-The annual spring exhibition of the Connecticut Horticul-tural Society was held on April 5th, 6th and 7th. The weather was not favorable for the transportation of plants, but notwithstanding this disadvantage, the exhibition was a very creditable one. Spring flowers and flowering bulbs were shown in great profusion.

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A. UNGER, of L. Boehmer & Co., Japan. is returning home from a European trip.

More seasonable weather has improved receipts in the mail trade and helped counter trade generally.

COLUMBUS, O .- The McCullough Seed Company, of Cincinnati, capital stock \$75,000, was incorporated to-day by Albert McCullongh, Robt. M. Cox, Herman Teepen, L. C. Black, George H. Par-

Сисадо.-Goodwin, Harries & Co. will remove May 1 to 115 Kinzie street, North Side. The Braslan Seed Growers' Company are completing their shipments of stock seed of peas to the north. Visitors: J. E. Northrup, E. S. Wetherley, F. T. Emerson.

As order in council has been passed by the South Australian government to the effect that no bulbs or bulbous plants plants brought to South Australia shall be delivered to the consignee or importer thereof, unless the collector of customs shall be satisfied that such bulbs or bulbous plants were not raised or grown in a country from which their introduction is prohibited. This order is stated to be due to the prevalence in Japan of a disease which has been especially fatal to the bulbs, killing as many as 95 per cent.

bulbs, killing as many as 95 per cent.

AN INTERESTING EXPERIMENT in onion growing by Mr. Rhoomfield of Paerata, near Puckekohe, is reported by the We. Zeoland Farmer. An onion of good size and coundation was shown, the builb being described as the result of planting for certain seasons bulbs thrown off from seedling onions as one plants potato onions. His object was to best the practiculative of establishing from ordinary seedling onions a strain that rould be planted like potato onions and produce marketable bulbs the next season instead of running to seed. He began by planting the bulbs from a chance seedling which divided into a double onion. I from this stock he has raised onions as large as the average size of a potato onion. A orderable of these good bulbs a flower stalk is thrown uponach wear but which does not apportently affect the size and quality of the onions growing on the same roots. In time the tendency to preduce seed stalk, may be lessaned as gardenesses to have seen in the case of potato onion, several was come in the case of potato onions, several was deep in the early as seed stalk producing generally mercon less abortive flowers. Mr. Besondielder arms for his experiments that they be in the the possibility of producing strains of a season the planted from the bulbs of different aper or varieties of seeding onions which was to many covered to a season of the solesses of the bulbs of different aper or varieties of seeding onions which was a number of the season of the bulbs of control of the season of the bulbs of the season 
ORNSOL N. J.-The New Jersey Thoricultural Society held an Eastertide Floral Festival and Musicale at Berkeley Hall on the afternoon and evening of April 24. All the most prominent society ladies of the Oranges gave cordial support to the affair as patronesses, and the function was one of the most brilliant ever given in this neighborhood. The display of choice plants, and showers made by the local Borosts and gardeners was uncommonly has and the society is justly proud of its

Birrists Ps -Fred Burki had been missing quantities of flowers from his greenhouses, and employed a watchman to detect the thief, with the result that on the night of April 8, Paul Schultz, a. former employe was seen to lone an entrace and full two large baskets with carnations. Shultz is now awaiting trial for burglary.

#### Jersey City, N. J.

The indoor Clinton plant market was thoroughly appreciated during the inclement weather previous to Easter. Easter Saturday from sixty-five to seventy wagon loads of plants were offered for sale, about evenly divided between the indoor market and the park opposite. Prices were not up to expectations, owing probably to the unfavorable weather in the early part of the week causing a glut on Saturday. The indoor market so far is satisfactory to the stand holders.

In his church bulletin for the week ending April 9, Rector E. L. Stoddard, of St. John's P. E. Church, on Summit avenue, made this announcement, "It is requested that no Easter lilies be furnished this year." An appeal, however, was An appeal, however, was made for all other kinds of flowers with which to decorate the altar on that Sunday. It was said that the reason Dr. Stoddard made his request that no Easter lilies be contributed was that for several years past a number of persons, particularly those in the choir, were over-come during the services on Easter Sunday and fainted because of the odor of the lilies.

Rector Stoddard is already known to fame as the clergyman who superintends a dancing school in one of the buildings connected with his church. His terms, one dollar for eight lessons, have caused great indignation and disgust among the dancing musters of the neighborhood.

J. C. N.

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#### Los Angeles, Cal.

We have given up all hope for a general rain, and the record for the past winter will have to be written as the coldest and dryest for more than a score of years. The growers who have waited in vain for expected rain are now irrigating everything, and he who has all the water needed is considered very fortunate. Those who depend on wells and windmills for supply are trying to increase the output, while those who buy from a water company are watching to see that they get all they

The supply of ordinary flowers, grown out doors, is now fully equal to the demand and the florists have a much better selection for cheap grades of work. The price of carnations has kept up. All the principal growers united last November in establishing the price at \$1 per 100 for the winter months. That price still holds good, but it is thought a lower rate will soon be made. The retail price is from 25c to 50c per dozen, according to quality. Last week brought in sweet peas in quantity. They retailed at 25c per bunch of fifty. Violets are growing scarce. While some few singles are in the market, the Farquhar and M. Louise are more in evidence. Some growers are discarding California and substituting Princess of Wales. La France will be tested also. Planting young stock of carna-tions goes merrily on and bids fair to keep pace with the rapidly increasing population of the city.

We hear of some disappointments in

the way of results from Harrisii imported from Bermuda last year. The only grower who had a good supply for Easter, forced bulbs that were grown in California. The supply was not equal to the demand. The retail price was \$1 per pot for plants with three and four blooms.

The people of Riverside celebrated Arbor Day with improvements in Fairmont Park. Hard, practical work, tree planting, and oratory on the benefits of parks were the principal features of the occasion.

Dr. F. Franceschi, manager of the Southern California Acclimatizing Association, is beginning to reap the benefits of his experiments in testing the hardiness of many tropical plants and trees, many of which he introduced into this country. He has recently shipped several car-loads of valuable stock to Arizona.

Louis Legrande, a former superintendent of the city parks, is preparing plans of all the parks from the original designs for the use of the present officials.

Chas. Winsel, the gardener in charge of the floral work of the Southern Pacific Railroad in this vicinity, was recently married to an estimable young lady in San Francisco. Mr. Winsel has many friends who tender best wishes.

The Redondo Beach Floral Company is cutting an average of 2,000 carnations per day at present, with the main crop just arriving.

It is rumored that two of the floral stores will shut down for the summer immediately after the Fiesta festivities.

There are, in this state, over 4,000 acres devoted to growing stocks of various kinds for seeds to partially supply the eastern demand. The value of this land and improvements exceeds \$3,000,-000. The business is yet in its infancy, but is growing rapidly. D. R. W.

BEVERLY, MASS.-The Beverly Improvement Society announces its second annual flower show to take place about September 1st.



# VAR PRICES!

Here's a chance for you to buy staple goods and get double value for your money. We must make room for a big line of unmatchable novelties soon to arrive, so down go the prices on & & & & & & &

American Beauty Vases in many shapes. China Jardinieres and Ferneries Metal Work and Artificial Flowers Baskets in great variety.

WE are cleaning out balance of the season's stock as rapidly as possible.

JUST RECEIVED New Cape Flowers





Extra large and extra white. A limited stock only, Heavier invoices are on the way. Prices on application.

ITINERARY OF OUR MR. H. BAYERSDORFER WILL BE NOTED LATER.

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Importers and Manufacturers of Florists' Supplies,

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## REED & KELLER Florists'

Supplies

122 W. 25th St.,

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## SMALL GREEN

Stiff, wiry stems. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

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Galax Leaves, Cut Palm Leaves, bouquet green, Moss (sphagnum and green). Laurel Roping, Xunas Trees; everything in the green line always in stock at

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size leffer, given away with first order of 500 letters.

Block Letters, 1 1/6 or 2-inch size, per 100, \$2.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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WE have closed contracts with some of the best and most reliable producers for our stock of Roman Hyacinths, Dutch Hyacinths, Tulips, Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading import forcing stock. Give us a list of your wants so that we may be able to quote you on same.

DON'T FORGET THAT WE ARE STRICTLY IN IT ON SUPPLIES OF ALL KINDS. SEEDS, BULBS AND CUT FLOWERS......

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|                                          | Per         | 100  |
|------------------------------------------|-------------|------|
| DUKE OF MARLBORO, darkest crimson        | \$30        | -00  |
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| TOPAZ, only absolutely large pure yellow | . 50        | DH   |
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| MAIDENS BLUSH, delicate flesh color      |             | (K)  |
| GOLDEN PEARL, yellow, nearly double      |             | ()() |
| CUBA, finest and largest gilt edged      |             | 00   |
| GLORIOSA, very dwarf, March delivery     | . 12        | 50   |
| PHILADELPHIA, glowing crimson            | 15          | -00  |
| CHAMPION, largest, glowing scarlet \$5   | 00 en       | ch.  |
| KLONDIKE, only large pure orange 32      | 50 '        |      |
| Send for complete list of 50 novelties a | $_{ m ind}$ | 200  |
| standard varieties at lowest prices.     |             |      |

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To Messrs A Blanc & Co.
Your new cannes of last year gave me much
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your neveltles for ISS as soon as ready. Also 12
Glant Crimson, etc. Signed CH MoLIN,
Lyon France, Jan. 3, ISS

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Fine plants in 6-inch pots, ready for 8-inch \$5 per 12.

#### AMARYLLIS .....

Veltch's Hybrids, \$4 per 12; Equestra, \$4 per 100; Furmosissima, \$3 per 100.

#### CALLAS

Spotted Leaf, 83: Black, 85; Yellow, 890; all per 100. Golden, 82 each.

### DAHLIAS

ll prizes out of 22 at the last Dahlla exhibition First prize Dahlla, Gitt.T EDGE, \$15 per ltm. Send for special list.

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SPECIAL Growers and Exporters of Azu-SPICIAL Growers and Exporters of Azaleas. Palms. Arauearins and other decorative plants, take pleasure to inform you that their MR. Ato. HARBESS Is now on his annual visit through the Pnited States. The stock he offers is immense, of best quality and at most reasonable prices. Their New Azaleas will be the Invorites of the future. Write for price list and special offer until May 10th.

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## JAPANESE PLANTS.

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At lowest prices. Small orders filled from experimental garden Columbia blued Dorchester, Mass Wholesals catalogue, 1924 from to the trade.

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SASSENHEIM. - HOLLAND.

**QEFORE** ordering Dutch Bulbs ask our quotations. Our stock enables us to make good offers. Address letters until May 15th to

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Care KNAUTH, NACHOD & KUHNE,

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## SASSENHEIM. HOLLAND

HYACINTHS, TULIPS, CROCUS, DAFFODILS, AND OTHER BULBS. ALSO SHRUBS AND PLANTS.

THEY are strictly first-class and cheap. Special quotations for Wholesale Importers... Address all correspondence until May 15th to.......

H. VAN ZONNEVELD

care J. W. Hampton, Jr. & Co., 41 Broadway, New York

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Address up to May 1 in care of KNAUTH, NACHOD & KUHNE, 13 William S1., NEW YORK.

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GROWIRS SASSENHEIM, HOLLAND.

## Dutch Bulbs

AND PLANTS FOR AMERICAN MARKET. Ask for Wholesale Prices.

We will stay in America until May 18th. Please address letters to

## L. Van Leeuwen,

CARL COLOSNADE HOTEL,

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# For FLORISTS..

## VAN ZANTEN BROTHERS.

HILLEGOM. HOLLAND.

### N. Dames

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LOWEST

**BULB GROWERS** 

## Lisse and Heemstede, Holland,

is on his round trip through the United States. To spare time, we beg to send all betters and communications up to States. To spare all letters and o May 15, care of

#### Knauth Nachod & Kuhne, 13 William St., New York.

Give us the list of your wants and we will send you our lowest quotations for real good stuff.

Montion American Florist.



FROM A PHOTOGRAPH. Above Plant Produced from B to 10-Inch Size Bulbs.

# .LILIUM LONGIFLORUM...

## JAPAN GROWN

THE STOCK OF JAPAN GROWN & & & LILIUM LONGIFLORUM

WHICH WE SUPPLIED LAST SEASON HAS GIVEN EXCELLENT RESULTS AS OUR MANY CUSTOMERS WHO GREW THEM WILL TESTIFY.

OWING to the increasing demand for this Lily the supply will likely be exhausted before planting time and it is DOUBTFUL if . . . .

## Late Orders

will be filled in full. 3. 3. 3. 3.

Estimates on above....

LILIUM HARRISII f as healthy as grown on the Island . . . . and all FORCING BULBS cheerfully furnished.

## VAUGHAN'S SEED STORE

84-86 E. Randolph St.

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Headquarters for "Fancy" Bulb Stock at Reasonable Prices.

EASTER TRADE REPORTS SHOW THE SALES OF

## LILY PLANTS

**ALL OTHERS** 



ORDERS PLACED

## NOW

WILL BE MOST **CERTAIN** OF DELIVERY AND SECURE

INSIDE PRICES

GRAND NEW VIOLET "LA FRANCE"

#### STRONG VIGOROUS GROWER EXTRA FREE FLOWERING \*\*\*RICHEST COLOR

F the many new Violets introduced in the past few years this, the latest introduced in the past lew years this, the latest introduction of the foremost French specialist, is unquestionably the **BEST**. It has been thoroughly tested by Mr. Snpiot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom and in size and coloring, it is superior to all existing sorts, and will soon supersede them. Only a limited stock will be offered this season, and orders will be folled in strict rotation. will be filled in strict rotation.

Price, \$1.25 per dozen; \$10.00 per 100.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA PHILADELPHIA, PA.



#### Violet Plants... Marie Louise

GEORGE SALTFORD, - Rhinebeck, N. Y.

## Princess of Wales Violet...

The Best Money-Maker Among Violets. Strong 212-inch pot-grown plants ......\$5.00 per 100.

J. A. PETERSON, = 105 E. 4th St., Cincinnati, O.

#### Geraniums for Decoration Day.

ED AM. FLORIST:-Is there any special way to make geraniums bloom for Me-moriai Day? Have had trouble in bringing them all out at the proper time.

GEORGE W. HUNT.

With the following treatment I have never experienced difficulty in causing geraniums to bloom late in May. Hold them in thumb pots till near the end of January. Then repot in 3-inch pots and place in a light, airy house; give a night temperature of from 50 to 52°. With care not to over-water they will grow rapidly and by the middle of March will be ready for a shift into 4-inch pots. If given plenty of air and light they will begin to bloom as soon as established. We pinch off all the buds which appear before the first of April. This throws all the strength into the plant and by the middle of May we have a nice stocky plant with ample bloom. I advise Mr. Hunt to not over-crowd his plants. If they are well established 1 see no reason why they should not be well in bloom by Memorial Day. C. W. JOHNSON.

Belleville, Ont.-W. G. Munro has been appointed instructor in botany at the Washington State Agricultural Bureau, near Spokane Falls, Wash.

## STRONG STOCK TO POT ON NOW. JOHN H. LEY,

WASHINGTON, D. C. GOOD HOPE,

| Offers clean well rooted plants as below.                  |
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| Azeca Lutescena, 2 ft. tblck, 4-Inch \$25.00               |
| Orange Trees 2 ft., full of green fruit, 5 in. pots. 25 00 |
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| 3 to 4 feet high \$ 500                                    |
| Phoenicophorium Sechellarum, 4-Inch, nice plants           |
| of this rare palm. 24.00                                   |
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| Nephrolepis d. furcans, 5-inch, extra large 5.101          |
| " Finch, fit for s-Inch 9 00                               |
| Pandanus Utilis, 5-inch, extra large 4301                  |
| Well packed. Cash with order.                              |
|                                                            |

# Well packed. Cash with order. EVERGREENS. Etc. 2000 American Arbor Vittes, 2 to 8 feet specimens and hedging plants. 5 (10) Eyramidal Arbor Vitte, 2 to 4 feet, 5 (10) Compacts to lobe and other dwarf Arbor Vittes all sizes. 3 (10) Nordinan's Silver Fir. 2 to 4 feet. 5 (10) European Silver Fir. 2 to 4 feet. 5 (10) Norway Sprine, 3 to 8 feet. 10 (10) Norway Sprine, 3 to 8 feet. 10 (10) Refinosperas Squarrea Plumosa aurea and other sorts 1 to 5 feet. 5 (10) Irish Jumpers 1 to 25 feet. 10 (10) Pines Austrian Seodch Eveelsa, White and dwarf varieties all sizes. 1 (10) Enonymous Impoines, 18 to 36 inches. 2 (10) Enonymous radicany variegata. 1 (10) English Holly 1 to 1 feet. 3 (10) Mahonias aquifolic and daponica. 3 (10) English Ivy strong plants. Pries few. 1 orrespandence solicited. THE WM. H. MOON CO., Morrisville, Pa.

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ISORONIA

I will have a very nice store of these in
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Bornella herotophylia. from 30 cents to \$1 in each.
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AZALEAS Grown especially for American trade
at very resemble prices
Palmis, Dracignas, Araucarias, Acacias,
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Sweet Brys, "standards and Pyramida, Description and prices on application.

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VERY LARGE BULBS AT A BARGAIN.

hulbe contain some of the choicest kinds in cul-on. Offer almply made on account of a surplus

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LARGE HEALTHY STOCK

| 3 | Plants. | 6-in. | Pot. | 24 to | 32-it | n. high. | very | bushy, | each | <br> |      | <br> | <br> | <br>8 | 1 ( | Ю   |
|---|---------|-------|------|-------|-------|----------|------|--------|------|------|------|------|------|-------|-----|-----|
| 3 | 0       | 7-113 | '    | 32 to | . 36  | ٠.       |      | **     | * *  | <br> | <br> | <br> | <br> | <br>  | 1.5 | м)  |
| 3 | 4.9     | S-111 |      | 36 tc | 142   |          | **   |        | 6.4  | <br> | <br> | <br> | <br> | <br>  | 2 ( | H F |
| 3 | 4.4     | 8-in. |      | 42 (0 | 45    | **       | * *  | 4.0    | * *  | <br> | <br> | <br> | <br> | <br>  | 2 5 | ЯÌ  |
| 1 | 6.6     | 10-in |      | 4.10  | 5-11  | t high.  | **   | 1.6    | 4.6  |      | <br> | <br> | <br> | <br>  | 5.0 | Ю   |

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Just received in perfect condition a large importation of Cattleya labiata, well leaved and perfectly dormant. Also C. Mossiæ, C. Chocoperis, Odontoglossum crispum and Miltonia Rozlii. A great many other South American and East Indian Orchids to arrive shortly.

WE ALSO CARRY A LARGE STOCK OF ESTABLISHED ORCHIDS OF MOST USEFUL KINDS.

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# ON HAND per 100 1000 3000 Per 100 1000 3000 COCOS WEDDELIANA. \$1.00 \$7.50 \$20.00 LATANIA BORBONICA. .50 3.00 7.50 KENTIA BELMORFANA 1.00 7.00 20.00 "FORSTERIANA 1.00 7.00 20.00 ASPARAGUS PLUMOSUS NANUS 1.50 12.50 35.00 "CANARIENSIS 1.50 12.50 35.00 "SPRENGERII. 1.50 12.50 35.00

J. L. SCHILLER, NEW YORK CITY. 404 E. 34th St.. Please mention American Florist.

## Crotons...

\_IN VARIETY

Rothschild, Hawkeri, Interruptum, Evansianum, Rubra Lineata, Andreanum, Aurea Machalatum and others, suitable for hedding. Fine plants in 3-tineh pots, \$2.00 per doz. New and rare varieties, 50 cents each.

Aurea Maculatum, extra fine plants in 4-in, pots, \$2.50 per doz.; \$15 per 100; 3-inch pot plants, \$2 per doz.; \$45 per 100; thumb pots, \$1 per doz.; \$6 per 100.

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## PORT CRAIG & SON ROBT. CRAIG & SON Roses, Palms

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Stove and Greenhouse plants, Ferns, Aranearno, Pandanus...

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When corresponding with advertisers, mention the AMERICAN FLORIST.

## Asparagus Sprengerii

For another week (before potting up) we offer small dormant 1-year roots @ \$5.00 per 100. These bulbs will quickly make strong 21/2-inch pot plants.

pot plants.

Ficus Elastica, true, large leaf variety, 6-inch pots, 20 inches high (a 50c each.

Crimson Rambler Roses, extra fine, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00; per 100, \$15.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb. (a 15c per lb.)

Clothide Soupert, the great pot rose, our stock is A No. 1, 2-in. (a \$3.00; 21c-in. (a \$4.00; 3-in. (a) \$5.00; 31c-in. (a) \$6.00; 31c-in. (a) \$1.00; 30c-in. pot plants, in named varieties, per 100, \$5.00.

Pelaronjums Mme. Thibaut. Mrs. Robt. Sandiford.

Pelargoniums Mme, Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz., \(\frac{8}{1}\).50; per 100, \(\frac{8}{1}\).200.

For Cannas, Carnations, Chrysanthemums, send us your list; we have all kinds.

H. P. Roses, dormant. 2-year, extra fine stock @ \(\frac{8}{1}\).200 per 100.

Clematis, Ampelopsis Veitchi, Hollyhocks, Pwonies, Hydrangens P. G., etc. we have in large quantities; write us for prices.

#### VAUGHAN'S SEED STORE,

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Creenhouses: CHICAGO: Western Springs, III. 84-86 Randolph St.

DOUBLE PETUNIA, Dreer's strain, strong......\$2.50

RUSSELIA JUNCEA, 21/2-in., strong 3.00

AMPELOPSIS VEITCHII, 21/2-in..... 2.50 PALM Latania Borbonlea, 21/2-inch,

3 to 4 leaves, per 1000, \$40.00, 4.50

THOS. A. McBETH, Springfield, O.



#### St. Louis.

Since Easter things have quieted down more than at any time this season, and stock and prices show a tendency to assume a very undesirable condition. Carnations have worked down to \$5 per 1000, and other stock in proportion. Considerable dull rainy weather has had the effect of stopping the heavy cutting that was commencing; it also stopped a great deal of the trade going.

The funeral during the past week of one of Adolphus Busch's sons caused a scarcity of flowers of some varieties in this market. The designs sent by employes and relatives were very large and numerous, and notable among them were an 8-foot column, 4-foot chariot, and others; smaller pieces were also abundant, in all several van-loads to take to the ceme-Lily of the valley and the finer terv grades of flowers were soon exhausted and outside markets had to be called upon.

Plant trade at the Union market is reported as fair, the unsettled state of the weather being chiefly held responsible by the salesmen. They say that with clear warm weather business would be very good, judging from present indications. Hydrangeas, which were late for Easter, have made their appearance in quantity, and are meeting with ready sale. A few lilies are still to be seen; the principal stock shown, however, is the usual run of spring material, and it is in excellent condition.

The fakirs are with us again. Easter had the effect of keeping them off the streets for a day or two, that is some of them, but they have reappeared in increased numbers. This is the first time that they can be said to be numerous in St. Louis, and they appear on entirely too many street corners to be pleasant or agreeable for the retailers. They are handling a fair grade of goods.

There is some talk of a new store being opened in the west end, rumor placing the probable location as near Grand and Olive streets or Jefferson and Washington avenues.

The Krebs Floral Co. have made quite an extensive change in their store; the window has been floored with marble, a handsome soda fountain occupies one side and candy cases the opposite side. These changes have greatly improved the able location their additions should prove R. F. T. interior of the store, and from its favor-

JRBANA, ILL.—This city affords a fine field for a florist as it is said there is not a greenhouse nearer than Champaign.

## REDUCED PRICES

-Very Fine Rooted-

## **Carnation Cuttings**

Taken from our "Prize" Stock.

DWAN ALASKA ALBE Helen Keller Armazindy McCOWAN ALBERTINI DAYBREAK \$2.00 per 100; \$15.00 per 1000.

SOUTH PARK FLORAL CO., New Castle, Ind.

## ROSES, VERBENAS, VIOLETS

Finest Teas and Hybrid Teas, clean, healthy, 10 to 15 inches high \$4.00 per 100 Verbeaus, best colors, 2½ inch pots 2.00 per 100 Violets, California, well rooted \$1.50 per 100 Calla Lilies, 5 and 6 inch pots \$10.00 per 100

Invariably at these prices.

Cash with Order. F. WALKER & CO.

Box 316, New Albany, Ind.

## Chrysanthemum Mrs. A. F. Wienold

WE claim this to be one of the grandest early whites yet sent out. Originated with us 3 years ago and given a thorough test. It is earlier than Bergmann. Flowers 7 to 11 inches in diameter; is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2½-in. pots, 20c each; \$1.50 per doz.; \$10.00 per 100.

CAL. VIOLETS. No disease. Strong runners. 50c per 100; \$4 per 1000. MCDONALD & STEELE, Crawfordsville, Ind,

## Ghrysanthemum PRESIDENT

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificale of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 212-in. pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

#### CARNATIONS FROM SOIL

Kathleen Pantlind, \$10 per 100. Flora Hill, \$5 per 100. Beauties, 2 1-2 in., \$6 per 100. Carnots, 2 1-2 in., \$4 per 100.

HOPP & LEMKE, Paul P. O. E. Grand Rapids, Mich.

ww TO ww

THE MORRIS FLORAL CO., MORRIS, ILL.

## SUPER

The Gardenia Carnation.

Plants Now Ready \* \$10,00 per 100 60.00 per 1000

JOHN BURTON, Chestnut Hill, PHILADELPHIA, PA.

Please mention the American Florist

AND 25 OTHER VARIETIES, LOW TO CLUSE OUT.....

GRAFTED TEA ROSES, \$15 per hundred.

H. F LITTLEFIELD, Worcester, Mass.

## SWELL YOUR BANK ACCOUNT

By growing Emily Pierson Carnations, the most profitable Red Carnation in cultivation. Clean healthy grower, large full flowers with fine stem. Our house, 70×20 feet, from which we have been culting sinee September, has 20,000 buds in sight to-day. We can supply fine rooted cuttings at \$1.00 per 100; \$8.00 per 1000. Cash with order.

South Side Floral Co., Springfield, III.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00 per 100, \$75.00 per 1000.

we will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelioa (Witterstaetter), Firefly (Hancock), Psyche (Hill), Pantied Lady
(Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

## New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.

35c each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

50c each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

## F. DORNER & SONS CO.

LAFAYETTE, IND.

## NATHAN SMITH & SON

Wholesale Florists

Specialties & & & C

ADRIAN, MICH.

**CHRYSANTHEMUMS** CARNATIONS \*\*\* AND VIOLETS

· · · CORRESPONDENCE SOLICITED · ·

## CARNATION

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices. Address.

## CHAS. CHADWICK,

GRAND RAPIDS, MICH. Lock Box II.

#### Hanover, Pa.

Mr. F. C. Cremer is about to commence work on an additional rose house to cover 100 x 20. Mr. Cremer has been pre-eminently successful in growing roses, his stock finding a ready sale, both locally and in the Philadelphia market. In addition to his place in Hanover, he has also a store in Gettysburg. Homo.

HARTFORD, CONN.-A rosehouse belonging to Alfred Whiting, West Hartford, was badly damaged by fire on the even-ing of April 3. Loss on building and contents is estimated at \$1,500.

DANBURY, CONN.-The J. H. Ives greenhouses were not injured so seriously as at first reported, the loss being trifling.

KINCARDINE, ONT. - Mr. Wm. Bacon gave a lecture on Thursday under the auspices of the horticultural society.



# PLANTS

FROM SOIL. CHEAP FOR CASH, PLEASE

CHAS, T. SIEBERT, Station B. Pittsburg, Pa.

#### NEW WHITE PERPETUAL

**BLOOMING CARNATION** 

## Anna H. Shaw

The Beet "All Round" White Carnation for Cot Flowers. Recommendations: Wonderful bloomer. Unusual Vigor, Rapid Grower. Forms Strong Blooming Plants in a Very Short Time. Perfectly Healthy, Handsome Foliage Large Beautifully Formed Flowers on Long Stems. Exquisitely Fragrant. Never Burets. Blooms Longer and Gives More Flowers and Any Other Variety Ever Offered. If you want a RELIABLE. Carnation that can always be depended upon. give Anna H. Shaw a trial. Blooms Cuttings \$1 per doz; \$5 per 100. Strong Plants. \$15 per doz; \$10 per 119. Strong Plants. \$15 per doz; \$10 per 119. Strong than Catalogue of Seeds, Bulbs. Plants. Cact. Etc.

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CHRYSANTHEMUMS

Rose Owen, J. H. Woodford, Dorothy Devens, G. F. Atkinson, Golden Trophy, T. B. Morse, Pres McKinley, Western King, The Herriott, Surprise, Marcia Jones Elvena, Miss Helen Wright Belle of Castlewood, Chito, C. W. Ward, Mrs. S. T. Murdock, 75 ctls, per dozen; \$5.00 per 100. Clory of Pacific Maud Dean, Mrs. R. Crawford, W. P. Raynor, Modesto, Lenawee, Pride of Castlewood, Bonuaffon, Ivory, Ruth Ells, 50 ctls, per dozen; \$3.00 per 100. Fank Hardy, T. H. Spanlding, Mrs. O. P. Bassett, The Vellow Fellow, Madeline Pratt, Mrs. C. H. Peirce, Merry Christmas, 35 cls. each; \$3.00 per dozen Snow Queen, Pennsylvania, 50 cls. each; \$5.00 per dozen. W. H. Chadwick, \$1.00 each; \$6.00 per dozen. Mrs. Jas, Dean, White Cloud, New York, Empress and Evelina, \$2.00 per dozen. Dana, Mayor Pingree, \$5.00 per 100. Daybreak and Stom King, fine from soil. \$2.00 per 100; \$15.00 per 1000. Soct and McGowan, \$2.00 per 100; \$12 00 per 1000. CANNAS

Pres. McKinley, Defeader, Pres. Cleveland, Tarrylowa, 60 cls. each; \$5.00 per 100. Eldorado, A. Billard, Burbank, Count de Bouchard, Souv. du Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100. Faor and Charlotte, Admiral Avellan, Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100. Faor and Charlotte, Admiral Avellan, Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100. Faor and Charlotte, Admiral Avellan, Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100. Faor and Charlotte, Admiral Avellan, Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100. Faor and Charlotte, Admiral Avellan, Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100. Faor and Charlotte, Admiral Avellan, Pres. Carnot, Souv. d'Antoine Crozy, Papa, \$4.00 per 100.

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It sells because there is nothing in sight to at all equal it. It speaks for itself where-

ever grown. It is fragrant. It is the largest bloom. It puts all others in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offered. \$5.00 per 100; \$40.00 per 1000.

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A few left at the following price & \$ \$10.00 per 100; \$75.00 per 1000.....

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LARGE, healthy, free. \$2.00 per doz.; \$10.00 per 100; \$75.00 per 1000. Send for complete list of all the best varieties.

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The argust tright rish crime Empress

Send for price list of above. New and Standard Sorts....

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Sample plants sent for 10 cents. To rts. per 100, or 25 00 per 1998.

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THE BEST OF THE NEW PINK CARNATIONS

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A WANTE INTERVIEW.

2 00 per diozen, \$10.00 per 100; \$75.00 per 1000 per 100; \$75.00 per 1000 per

C. BESOLD, Mineola, L. I., N. Y. n Noverterreterreterreterreterreter April Offer.

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| Alternanthera A. Nana, \$1.75; P. Major\$2.00         |
| Begonias, 5 var.—Vernen                               |
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best selling, most floriferous and dwarfed Geraniums ever introduced.

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PANSIES WE grow over a million from the choicest seeds of Bugnot, Cassier, Odier and Trimardeau, transplanted last November in cold frames; large plants now ready to bloom, 60e per 100; \$4.00 per 1000; Mammoth Verbenas, 70e per 100; \$5.50 per 1000; Double Geraniums, in bud and bloom, such as S. A. Nutt, Gen'l Grant, La Favorite and many others equally as good, 4-inch, \$6.00 per 100.
3-in., \$4.00 per 100.
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4-inch, \$10.00 per 100.

All the above are very bushy and well branched.

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2½-in. pots; Souv. de Sale, \$3.50 per 100; Her Majesty, Glen Valley, Laura Wilmer, Ger-trnde, \$3.00 per 100.

#### VIOLETS...

24-in. pots; Admiral Ayellon, Princess of Wales, \$3.50 per 100; Luxonne, California, Campbell, Swanley White, \$3.00 per 100. THE CONARD & JONES CO., - West Grove, Pa.

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| From     | 4-ineh  | pots   | \$7.00              |
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Fine stocky plants in bad
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seed, Semple's pink, \$1 00 per oz. Cush with order.

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Several Thousand

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## ASTER WHITE COME

rure white. Trade pkt., 25c; oz., \$2.00; fine mixed, oz., \$1.75; tall Victoria, white, dark blue and pink, trade pkt., 25c; oz., \$2.00; fine mixed, oz., \$1.75. All the other seeds at market prices; trade list and sample on application.

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## FAXON'S "WHITE, PANSIES.

The best mixture in cultivation, flowers very rge, thick and velvety; of superb colors and arkings. The perfection of form and texture. large, thick markings.

In Trade Packets at \$1.00 each.

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IN BEST VARIETIES. ROSES, from 3-lach pots.

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CHRYSANTHEMUMS. SMILAX.

Prices low. Send for list. WOOD BROTHERS, FISHKILL, N.Y.

CLEMATIS Jackmanni, Henryii doz. 100 and others........\$3.00 \$20.00

H. P. ROSES Strong 2 and 3 years own roots. \$1.50 \$10.00 RED JACKET GOOSEBERRY, only large 75 \$4.00

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PAEONIES, fine ass't of colors and kinds \$1.25 \$8.00 \$MILAX, extra strong plants...... \$2.50

F. A. BALLER, Bloomington, III.

#### KLONDIKE

Cold Fields at Your Door.

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COLEUS—All kinds, all grades and all prices. Verschaftetitl and Queen. 75c per 100; 85.00 per 1000; 2½-10ch pots. 815 00 per 1000; 81.30 per 1000. St.75 per 100. Colens in variety, 35c per 100; 44.50 per 1000; 81.50 per 1000; 81.50 per 1000. Agrartum dwarf blue, 80e per 100; 81.50 per 100. Agrartum dwarf blue, 80e per 100; 81.50 per 100. Anthemis Coronaria. Golden Marguerite. 81.50 per 100. The think and per 1000; 81.50 per 100. St.20 per 1000; 81.00 per 1000; 31.00 per 1000; 31.00 per 1000; 31.00 per 1000; 32.00 per 1000; 32.00 per 1000; 32.00 per 1000; 33.00 per 1000; 81.00 per 1000. Hellotrope, 6 varieties, 81.00 per 100; 81.00 per 1000; 81.50 per

J. E. FELTHOUSEN, Schenectady, N. Y.

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## ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.

ROOTED COLEUS in variety.

Good stock only. Price list free.

DAN'L B. LONG, Growers' Agent. BUFFALO.

#### 5,000 SMILAX...

From flats, by mall. 50c per 100, \$4.10 per 1000 From 2-inch pots, \$2.25 per 100, \$13.00 per 1000 Gerantums from 2-inch pots, \$2.25 per 100; \$20.00 per 1000. Cash with the order. Send for samples. Fred Boerner, CAPE MAY CITY, N.J.

# PRICES GREATLY REDUCED

For price lists, Plants and Cut Flowers, address the original cultivators.....

CHIPMAN BROS. SANDWICH, 4 (CAPE COD), 4 MASS.

## LETTUCE AND OTHER ... VEGETABLE PLANTS

LETTUCE-Blg Boston, Boston Market, Tennis Bail, Grand Rapids and Reichner's Forcing. 15 cts per 100; \$1.00 per 1000

TOMATO, CABBAGE and CELERY-Small plants for transplanting now ready. 15 cts. per 100; \$1.00 per 1000. Pepper and Exg Plants-25 cts. per 100; \$2.00 per 1000.

CAULIFLOWER, Snowball—35 cts per 100; \$2.50 per 1000; ff by mail add 10 cts. per 100 for small plants, and 50 cts. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

#### Rochester, N. Y.

With the fine mild weather prevailing, our florists experience no difficulty in de-livering Easter plants. The increased sales of flowering plants necessitated extra trips for the delivery wagons, because plants are bulky and cannot be piled on top of each other, as in the case of cut flower boxes, but there is no grumbling, so far as I know, in this respect; on the contrary, some are inclined to think that the handling of plants is in many respects preferable to the cut flower business on the great holidays. It was expected that the sales in plants would be ahead of any former year, and all were prepared for a very large increase; but in some quarters expectations were perhaps out of proportion to the size of our town, and consequently we have a goodly number of unsold plants at the various establishments in the neighborhood, notwithstanding the fact that we really had a very acceptable increase in the demand for flowering plants of all descriptions.

A mistake was also made in the anticipation of a growing demand for the larger or higher priced plants; only a limited number of these found purchasers. The great majority of people will not spend more than \$1.00 or \$2.00, perhaps 83.00 at the outside, for a plant they may select several of these, but would hesitate to invest the whole amount in the purchase of a single specimen, however perfect in shape or attractive in appearance. Still, retailers have every reason to be satisfied with Easter trade this year. The total amount of sales this year. was decidedly larger than for several years past, and if there are a few plants on hand these may come in handy for some purpose during the remainder of the week, as indications for the near future are quite encouraging.

There was less demand in the flower line this year, in fact, the fallingon was greater than anybody could reasonably expect, consequently some of our storemen had an oversupply on hand, yet prices were very steady and no attempt was made to lower them at all because the supply was abundant. Mignonette, violets, tulips and hyacinths were more plentiful than ever, while a good and adequate quantity of roses and carnations could be seen everywhere; enough of everything was on hand, excepting lilies, of which many more might have been used, either in pots or in a cut

Weather conditions since Easter have ta, or of the development of flowers in the greatest abundance, consequently prices have suffered and the supply is greatly in excess of the demand, although the week was rather a busy one in every respect for our florists. Weddings and other functions were quite numerous and flowers were employed freely on all these accasions but the supply was too generons to be used up to advantage.

Roses of fine quality can be bought at \$4 per 100, lower grades at correspond ang y smaller figures, carnations bring less than one half last week's prices. carlbons stock is decidedly plenty, a good part of it outdoor grown, and much of it is going to waste. Ainold's sweet peas never were better than at present, on they confronted to buccuits, ourdoor molet prine pally the olddomble larghsh, sell at 50 to 60 cents, eigenorette \$2 to \$3. I thus, longitlority is still bringing \$1000 \$12 not being veraplentiful, smile brings \$12 to \$15, and is rather scarce at

The treplent cals for docrations durmig the past week cleared away a good

part of the flowering plants left over from Easter, but not all of it is out of sight In every store we can still notice a lavish display of these plants, though a good part of them were not intended particularly for Easter sales. Sales in this line have been, and are now, very satisfactory, assisted and stimulated, no doubt, by the exceptionally fine weather which prevails and the eager desire of everybody to adorn windows at the opening of spring with some bright colored flowering plant, a custom which we may say is constantly growing with every succeeding year. J. B. K. every succeeding year.

NORTH ORRINGTON, ME.-The greenhouses of George Nichols were destroyed by fire last Sunday night.

Lyxx, Mass.—The Lynn Florists' Club was entertained on Thursday evening, April 14th, at the residence of city florist William Miller. A large number were present and a delightful evening spent. A committee of five was appointed to make arrangements for the annual summer outing.

SALT LAKE CITY, UTAH.—The Utah Florists' and Gardeners' Association met April 11, with an unusually large attendance. "The Proper planting and cultivation of Roses," by Hugh Cannon, was a timely topic well handled. "Grafting Fruit Trees" was a practical paper by Parkkeeper Schultheis. Thomas Hobday sooks on the authorism of sooks. day spoke on the cultivation of carnations and the session closed with a general discussion of matters of interest to the craft.

## Write for Prices

of Beanties, Meteors, Belle Siebrecht, Perles, Maids and Brides in 2-meh; same varieties and La France and V Raiserin in 3-meh. Smilax in 2-meh. If samples are wanted send 50c in stamps.

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## ROSES OWN ROOTS & DORMANT &

FIELD GROWN

IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feel, cul back to 2 feel Yellow Rambler (Aglaia) Hybrid Perpetuals, Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,

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I have a nice stock for early

extra strong, \$10.00 per 100; a few 5 in., \$13.00 per 100. California Violets, extra large elumps, \$5.00 per 100, will divide up into 10 to 15 plants. Austria Cannas, strong plants @ 2e.

3,000 ROSA RUGOSA at.....\$100 per 1000 8,000 DAHLIAS Whole roots at \$40 per 1000. 50,000 CALIFORNIA PRIVET \$20 to \$40 per 1000.

100,000 SHRUBS Assorted, \$50 to \$125 per 1000. 50,000 SHRUBS Assorted, large sizes, \$125 to \$250 per 1000.

5,000 BERBERIS THUNBERGII 50 per 1000. 10,000 AMPELOPSIS VEITCHII

5,000 CLEMATIS PANICULATA

50,000 Sugar, Norway and Silver Maples

50,000 DECIDUOUS TREES Leading Varieties.

Satisfactory Prices. Correspondence Solicited.

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## CRIMSON RAMBLER ) YELLOW RAMBLER Strong, dermant, field-grown plants 2 to 3 feet high.

Price \$1.75 per 10; \$15 per 100. Write for list of other stock. Roses, Shrubs, Currants, Fruil Trees, &c.

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#### Koses! **Koses! Koses!**

Extra fine selected stock of all the leading varieti

Bride, Bridesmaid, Catherine Mermet, Madame Hoste, Mrs. Pierpont Morgan, Perle des Jardins, Meteor, at \$5.00 per 100. La France, Kaiserin Augusta Victoria, Mrs. W. C. Whitney, Souvenir de Wootton, Madame Caroline Testout and Pres. Carnot at \$5.50 per 100. Clara Watson and American Beauty at \$8.00 per 100.4343434

WRITE FOR SPECIAL PRICES FOR LARGE QUANTITIES.

## JOHN N. MAY,

## NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft nink, buds very long, flower extra large delightfully fragrant, rivaling Bridesmaid in color, but larger and much more produc-A stordy, vigorous grower, a money maker and a triumph of American skill. The best been in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price trong plants from Ty-inch pots, \$25.00 per 100 in las less than 1000; \$225,00 per 1000. Orders blocked now, delivery March 15 1898. Corresprovidence solicited. Address

H. WEBER & SONS, Oakland. Md.

## Summit, New Jersey. ROSES

PERLES . . . METEORS BRIDESMAID BRIDE

tinaranteed first-class Stock grown in low temperature

THE E. HIPPARD CO., Youngstown, Ohio.

## 300,000 YOUNG ROSES 300,000

Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Woolton, Pres Carnot and 100 other leaders in Teas, II. Teas and Climbers. Send for prices. Moon Vines, \$2.50 per 100. Rose Geraniums, \$2 50 per 100,

The National Plant Company, Dayton, Ohio.

#### New and Rare Plants. GALANTHUS CICILICUS.

This new snowdrop was found by Mr. Siehe, of Mersina, in the Cilician Taurus, Southeast Asia Minor. It differs from all its allies by its enormous size; but for gardening purposes it has a still greater recommendation. While all the other snowdrops bloom after New Year's and cannot be or are with difficulty forced, this species flowers naturally from November to January, and is thus easy to be had in bloom around Christmas. The be had in bloom around Christmas. bulbs this year will be offered in greater quantity than heretofore.

RHEUM PALMATUM TANGUTICUM FLORE ROSEO.

A new variety of the true erown rhubarb, the flowers of which are rose-colored instead of yellow. The true erown rhubarb, once very much favored as the best sort, was cultivated in Europe in the beginning of this century, but with. out knowledge of its true value. Afterwards when the Canton rhubarb (Rheum officinale) appeared in commerce the Rheum palmatum disappeared. It was the well known Russian traveier Przewalski who detected again the true form of the crown or Klachta rhubarb and brought home seeds of it. The late Director E. Regel of the Imperial Botanic Garden at St. Petersburg cultivated it and found it a new variety of Rheum palmatum, viz., var. tanguticum. He showed also that the cultivated root gives after some eight years' cultivation a drug which cannot be distinguished from the true crown rhubarb. Besides this the plant is most valuable as a deeorative garden perennial. The leaves differ widely from those of other species of rheum. They are lobed, long petioled, the blade having a diameter of one foot. The color of the leaves is a purplish green. The leaf rosette has a diameter of about three feet. From the middle of this appears the flower stalk, growing six to eight feet high, somewhat ramified, but the twigs straight and directed upward, so that the whole inflorescence has a very peculiar appearance. The old variety has yellow flowers, which appear in great quantities and furnish after some weeks dark blood-red fruits. But it is a curiosity of the plant that it yields good seeds only in a colder climate, or if propagated in warmer climates by seed, only during the first two or three years. Afterwards the seeds, though full grown are sterile. The new variety flore roseo has flowers of a very fine rose color.

UDO DAMMER.

New London, Conn—Mrs. C. M. N. Sherman has sold the Piquot greenhouses to H. H. Appledorn, of Norwich, who will carry on the business at this place hereafter. This establishment was form-erly conducted by W. E. Pendleton.

CINCINNATI, O .- Caroline Schaefer, with greenhouses on Mellenry Road, has assigned, for the benefit of creditors, to Fyffe Chambers. Liabilities, \$2,000; assets, \$2,500. Dull trade is given as the cause of the failure.



Mention American Florist.



# Kraft's Plant Tonic

For Plants, Palms and Flowers

A Wonderful Preparation for the Promotion of Plant Life, Des-truction of Insects and Scale......

84 & 86 RANDOLPH STREET, CHICAGO.

**VAUGHAN'S SEED STORE.** 

14 BARCLAY STREET, NEW YORK.

## Cocoa Nut Fibre

HAS COME TO STAY ON IES

## HE SALEM COCOA NUT

FIBRE CO. Will ship to any

part of the country at \$9.00 per ton, F. O. B. at Sølem. Mass.

W. S. WARD, Mgr., Office: Federal Street, - SALEM, MASS.

#### **EXTENSION** THE MODEL EXTENSION SUPPORT



OUTEENS N Y., Feb. 16, W.
MR. THERON PARKER,
Brooklyn, N. Y., bear Sir:—
I have tested your latest
model Carnation Support and
am free to say that I consider
it the best wire carnation
support that I have ever seen.
It is quickly and easily appiled, and i think will prove
very durable, and you certainly deserve great c'edit
for the invention.

Very truly yours,

C. W. WARD.

FLATHUSH, BROOKLYN, N. Y., Feb. 18, '97
MR. THERON PARKER,
Dear Sir: - Your wire stake is certainly a gem. Without hesitating we indorse it as an up to-date carnation support. Yourstruly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
FED. IS. 97.
MR. THERON PARKER,
Brooklyn, N. Y. Dear Sir:—
It gives me much pleasure to
congratulate you upon your
success in getting up carriations upports. I think that
those I have had from you
are a bout as perfect as anybody will be able to make
them. They certainly fill my
bill for an ideal carnation
support, a thing I have been
looking for for a long time.
Wishing you every success
In the sale of them, I am
Yours truly, E. ASMUS.

Write for price list and discount on early orders.

THERON PARKER, 22 Morton St.
BROOKLYN, N. Y.

## Scollay

Sprinkler....

INDISPENSABLE J. A Seollay, Maker, 74 Myrtle Ave.

Brooklyn, N. Y.

VAUGHAN'S SEED STORE, Gen't Western Agents, 84 Randolph St., CHICACO.

PLANT SPRIWREE





STEMS DUST EXTRAGT

BOTTOM PRICES.

VAUGHAN'S SEED STORE.

Chicago. New York.



Everybody is more pleased if you say saw your ad, in the American Florist when writing.

#### Cincinnati.

The tulip meeting of April 16 was the most attractive of this spring. The exhibition of tulips, roses and carnations brought out the best growers of this vieinity. Mr. William Swayne, Kennett Square, Pa., and H. Weber & Sons, Oakland, Md., were the only outside contributors. The tulip display was the center of attraction, in which A. Sunderbruch Sons were in the lead; they staged some forty varieties and scored thirty-two points. Notable among them were: Cottage Maid, Keizerskroon, La Regalis, Yellow I'rince and several others equally as good. The City Greenhouses made a creditable display of palms, ferns and orchids; many favorable comments were passed upon the orchids by the ladies. George & Allen showed a fine vase of American Beauty roses. R. J. Murphy was in the lead with Gen. Jacqueminot. 11. Weber & Sons staged a magnificent vase of their new rose, Mrs. Robt. Garrett, which caught the eye of every vis-itor. A vase of seedling carnations from the same firm were much admired and, no doubt, they will be heard from later. The new carnation, Empress, from Wm. wayne, attracted general attention R Witterstactter showed his new pink carnation, Opal, in good shape-it is a decided improvement over Daybreak and a favorite with the craft. Several other vases of seedlings deserve special mention. It was the universal opinion that a finer collection of orchids, roses, lilies, carnations and tulips were never presented to the Cincinnati public for inspection.

In the evening the regular monthly meeting was held and called to order by President Witterstaetter. It was decided that we wind up our last meeting in May with a banquet and entertainment. Messrs, E. G. Gillett and H. Schwarz were appointed a committee to make final arrangements. The president brought up the question, "What shall be done with members in arrears?" A discussion followed and it was finally decided to give them more grace to pay up. After the regular routine of business was transacted the meeting adjourned.

We regret to announce the death of Mr. Anthony Fischer, of this city. Fischer was connected with the florist business since boyhood, and his demise will be a shock to his many friends. He was 10 years of age, and leaves a widow and four daughters to mourn his loss. We extend our sympathy to the bereaved H. Schwarz

SCMMII, N. J. A. R. Sampson has bought the greenhouse establishment of C. H. Hagert - Mr. Sampson has been in charge of the greenhouse as foreman heretofore



GREEN-HOUSE HEATING. MYERS & CO. 1518 & 1520 S. 9th St.

PHILADELPHIA. Rend for catalogue and price list



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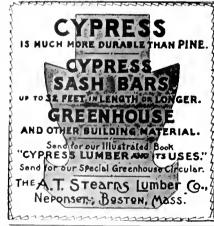
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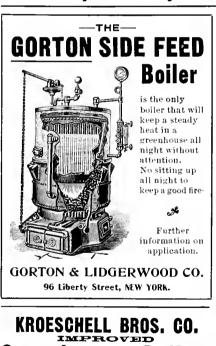
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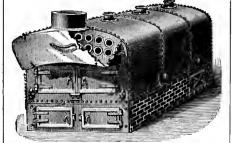
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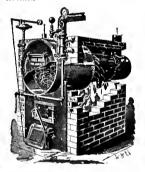
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DAVENPORT, IA.—Mrs. F. L. Bills' floral store is now finely located in the Roth-child building at the corner of Second and Brady streets.

WATERTOWN, Wis.—James Whelan, the venerable nurseryman, died at his home here on April 15. He was 65 years of age and leaves a family.

Oconomowoc, Wis.—Otto Sylvester, last week, shipped 12,000 violets to Chicago, and 14,000 to Milwaukee. He also shipped 2,500 carnations to the latter city.

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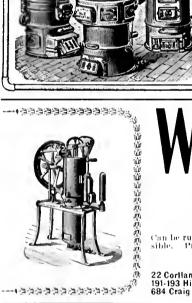
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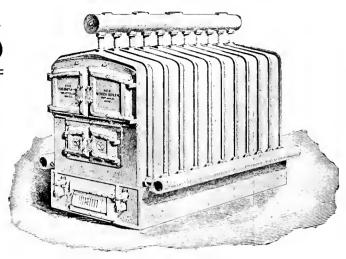
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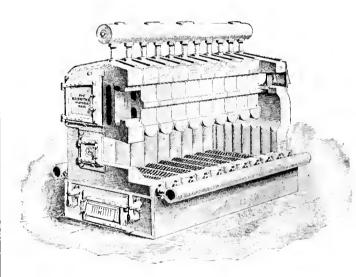
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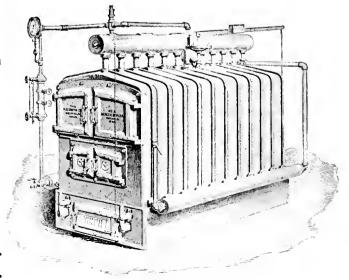
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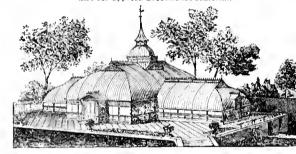
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Vol. XIII.

#### CHICAGO AND NEW YORK, APRIL 30, 1898.

No. 517.

## THE AMERICAN FLORIST

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#### THE AMERICAN CARNATION SOCIETY.

Annual Convention at Philadelphia, February, 1899. ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Omaha, Neb., August, 1898.
ELMER D. SMITH, Adrian, Mich., secretary.

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THE NEW DIRECTORY of florists, seedsmen and nurserymen of the United States and Canada will be ready for mailing soon. Twenty-five hundred new names. Postpaid for only \$2.

#### Bedding Plants.

[Abstract of a paper read by Charles J. Strombach before the Chicago Florists' Club, April 28.]

The subject, I think, is pretty well thrashed out already, but as you wish me to say something I will state what plants we use for bedding in Lincoln Park. For early spring effect tulips, hyacinths and crocuses are planted the fall previous in fields of separate colors or in mixture. The effect is good and pleases the general public for a couple of weeks. Pansies are also in bloom at the same time; I sow the seed at Christmas and grow them along all winter, and by doing so get them to endure the heat better than the fall-sown plants, which are more slender and wiry and so cannot stand the hot weather as well as those grown in the winter.

After the tulips are ripened off they are taken up and stored away; the beds are manured, dug and planted with geraniums of varieties suitable for bedding; Mrs. E. G. Hill, salmon pink; La Favorite, double white; Bruant, searlet; Rev. W. Atkinson, dark velvety searlet; Invincible, semi-double crimson. Ageratum, Cope's Pet, blooms all summer if not given a too rich soil or too much water. Begonias are valuable as bedding plants; they will bloom from spring till fall if fairly strong at planting out time. Torenia Fournieri is also a good bedder, and if not sown too early—sav middle of March—will bloom till frost. Its pretty violet-purple, pansylike flowers marked with yellow in the throat are by some persons called "Johnny-jump-ups."

Pentstemon campanulatum varieties are effective for bedding sown from seed or propagated from cuttings; fairly strong plants in 3-inch pots will bloom early and continue till frost. The roots can then be taken up, trimmed back and kept in a temperature of 55° or 60° through the winter, when the plants can be again used for bedding. Vinca alba, V. alba-oculata and V. rosea are elegant bedders, flower all summer and have grand dark green glossy foliage making such a fine contrast with the flowers.

Ten-week stocks are good for early bedding if well grown. We sow the seed in the latter part of January, prick out in boxes when big enough to handle, plant in 2½-inch pots after fourth or fifth leaf appears, using sandy loam. When well rooted in this, pot up in 3-inch pots, to remain till planting out time. As soon as flower buds appear we can select the double ones to be planted out. They make a grand show till the middle of July when they must be replaced by Celosia cristata nana, which is in 4-inch pots at that time and remains in good condition till fall.

Single petunias of good varieties are useful for bedding, as they give a profusion of flowers all summer. Gomphrena globosa is valuable for its heads of brilliant and enduring tints. Phlox Drummondii, if sown in April will bloom till fall, but if sown earlier it will lose its vitality in the latter part of August and must be replaced by something else. Verbenas have been used in park bedding to good advantage in years past, but for the last few years in the latter part of August they became mildewed, which injured the effect of the garden.

Cannas are used to a great extent here and produce a brilliant effect with both flowers and foliage. I have forty varieties, but the most prominent at present are Egandale, Chicago, Florence Vaughan, Stella Kanst, Madame Crozy, Souvenir d'Anton Crozy and Queen Charlotte. All of these are, as you all know, great acquisitions to the flower garden because of their great blooming effect. Carpet bedding is still retained to some extent to please the general public, but we draw a little away from it each year.

A great many annuals that I used to grow for bedding in the Old World are not of much use in this climate, as their duration is short when hot weather sets in and we must try to keep our beds in presentable condition all summer without too much labor. There is no doubt in my mind that our flower garden and bedding will receive some of our most beautiful perennials in time, but we go a little slow because if we go too fast we may be condemned by the public, as it has become accustomed to the present system or fashion.

#### Herbaceous Plant Notes.

Plants in the herbaceous borders had an unusually early start this spring. The mild weather during March favored the early development of the spring flowers and many of the plants which in ordinary seasons would not be ready to bloom until the middle of April were almost fully out in the latter part of March. Especially noticeable was this in slightly sheltered positions, on southern slopes or on the sunny side of hedges, buildings or tight fences.

We had a few clumps of Primula acaulis in a southeastern exposure well covered with their showy pale yellow flowers long before April, while those planted under tall trees, though plenty of sunlight could reach them all day, have not yet (a month later) fairly developed their flowers. The former clumps were out at the same time with the scillas and snowdrops, both of which are past now, but the primulas are still as fine as at

the beginning and will hold out, apparently, for a long time to come. A few hybrids of P. acaulis, which were planted last season, show great variety in color, golden yellows, pale and coppery red shades, velvety brown and deep, dark crimson purple, but most of them do not show their near relation to P. acaulis, producing their flowers in umbels on stems not so tall as in P. variabilis or P. officinalis.

The large leaved saxifragas sent up strong spikes of their finely colored flowers and were nearly at their very best when, early in April, a few nights of severe frost threatened to destroy their beauty; but only in the most exposed situations did they suffer any, and most of the plants are as attractive to-day as they were before the cold snap. Aubrictias in variety were among the earliest flowers in the border; they form a dense green cushion in winter, and as soon as the frost is out of the ground the buds make their appearance, opening out one atter another until the whole mat is covered entirely with pretty bloom, varying in color from pale lilac, almost white, to deep blue and purple, and we have them also in pink and reddish tints. They are most desirable plants for spring gardening, and when combined with any of the dwarf phloxes, arabis, alyssum, primulas, etc., can not be surpassed by any display in a bed of early bulbs. These plants, moreover, will retain their beauty for a much longer time than tulips or hyacinths or any of the spring flowering bulbs.

The hepaticas were out in good style a month ago, yet not one of the little flowers has dropped a single petal up to date and buds are still coming up among the bronzy young foliage; but this is only true with the old, well established plants which have not been disturbed for some years. We can not reasonably expect such an abundance of flowers from plants one year old, but when they are once well established in a spot, few plants are equal to them for supplying early bloom in our gardens; and they may be planted in places where most plants would refuse to grow at all, on dry knolls, under the shade of trees and in the poorest soil they will always reward us with a profusion of flowers in early spring and do not need any attention for the rest of the season; their long roots are capable of finding enough moisture in the ground in the dryest weather.

Another charming little plant for early spring is the charming Anchonella thalictroides. The pure white flowers are produced very freely on clongated stems; it continues to bloom for several months. its finely cut, trilobed foliage is hardly less attractive than the flowers. The habit and growth is very neat and and graceful, though the plant only atoms a height of from four to six inches these. Mertensia Virginica has opened as ovely flowers of a peculiar sliming shi de of blue, it blooms freely in almost my position, but probably lasts best when planted in partial shade. The pulonarias are now densely covered with flowers. Or first opening they are red and turn to blue afterward, the cymes showing both colors distinctly at all times Arabi has made a splendid show meethe first of the month with large needs of whate flowers, this is among the har therest of perennials early in the carbon. A therea, with like pink flowers, Three seasons are not more pank flowers, and the size but very early, described to a great more market and the size of the siz discered to grown more generally, it was a constant of a the snow disappears. The good Alicentess at the borders, its remarkably free blooming qualities and bright cheerful color call for the admiration of everybody.

Phlox subulata gives us sheets of white or pink wherever they may be allowed to spread; no foliage is visible so long as the flowers last in perfection and the plant grows only a few inches high, perfectly smooth and even. Iris pumila is conspicuous in many places at present; it increases and spreads rapidly and produces a pleasing effect among the smaller spring flowers. Doronicum Austriacum and D. Caucasicum are among the few early blooming plants which grow a little taller than the average and are most serviceable to relieve the monotony of a smooth surface in an extensive patch of creeping or dwarfer things; the large,



REINHARD MAITRE

bright yellow daisy-like flowers are very acceptable so early in the season. Polemonium reptans has been opening its charming blue flowers for a week past; the plant is neat and graceful in appearance; it will not lose its floral attractions for a month yet or longer, and the foliage is handsome throughout the season.

Caltha palustris fl. pl. was in flower with us during October and November and is now again in grand shape, though for earliness the ordinary single variety is two or three weeks ahead of it. Most people have an idea that the ealthas can not be grown successfully in an ordinary border, that a marshy or wet place must be prepared for them. This is an error, for we have grown them for years in rather dry situations, exposed to the full action of the sun at all times and have not noticed any bad effect resulting from this treatment. The sanguinarias have sprung up with leaf and flower some time since and may last a great while yet if the weather keeps moderately cool, but a few hot, dry days would finish them.

Saxifraga Virginiensis is not much grown, but I like it in the border, for it flowers early and usually lasts into June. The small white flowers are produced on a branched, compact stem, eight to ten muches high, and they are really pretty. Tiarella conditolia has long and creet slender spikes of interesting small white flowers growing from ten to twelve muches high, they spring from a dense mass of pretty foliage. The plant suc-

ceeds in almost any place, but is especially adapted for rock work. The large flowers of the vellow Adonis vernalis appeared in the latter part of March, and are still in good condition. When planted in bunches or patches this is an ornament in the border, but small single stools are lost sight of among the surrounding plants unless these are very low. In some places they refuse to establish themselves as readily as ordinary things, but where they can have the benefit of a moist, welldrained soil, success is almost certain. They do not like to be disturbed at the roots and should be let alone for some years. The foliage is cut and lacerated into narrow segements and is very ornamental during the spring months; the plant attains a height of ten or twelve

Not many of our florists are prepared to furnish any of these or kindred hardy flowers, though it cannot be denied that the demand for herbaceous plants is inereasing every year. This demand, by present indications, will continue, and, therefore, it would be a good time to start in now preparing a stock for another season by saving the seeds of such species and varieties as may be obtainable. Some of the late summer and fall bloomers may flower the first year; the majority will, with proper care, make strong salable plants by next spring. With almost all of the double varieties of the various species it may be advisable to procure a few plants for stock, dividing them as they increase and spread.

Rochester, N. Y. J. B. KELLER.

## Obituary.

#### REINHARD MAITRE.

Reinhard Maitre, one of America's pioneer florists, died of heart disease at his home at New Orleans on April 14. His remains now rest in beautiful Metairie cemetery. Deceased was born in Baden Baden, Germany, in 1830, and located in the Crescent city forty-six years ago when he was a young man of 22. In 1855 he married Christine Rehm, who survives him. They had no children.

Mr. Maitre spent his lifetime in floriculture, for he was a lover of nature's beautiful gifts to man. His artistic taste won him a national reputation as a horticulturist and landscape gardener. The finest grounds in New Orleans, both public and private, show the results of Mr. Maitre's fostering care. He was an unostentations man, fond of his home, his books and his flowers, and in his death his city and the Society of American Florists lose one whose endeavors have done much to beautify and smoothen life's pathway.

#### WILLIAM BIGGS.

William Biggs died at his home in Baltimore on April 22. He was 61 years of age and leaves a wife and seven children. Mr. Biggs had devoted many years to floriculture and landscape gardening.

#### Carnations.

Carnations are fast beginning to go down hill now, and it is as well to clean up any of the houses or any of the varieties that do not come up to the standard of excellence for a fair price. For it is certain folly with a declining market to dump a lot of second class stock on it to further depreciate values. Those houses or varieties that are doing well should be well taken care of. All colored and even the white varieties will be the better for a little shading any time after May 1. Ventilation is needed in abundance, and water should be applied frequently with

the syringe, so that the foliage may be sent in free from spider.

It is a good time now to watch the effects of syringing on the rust if you have any varieties that are affected with it. Some growers assert that syringing daily has the effect of increasing it and others assert that it has the opposite effect. For myself I must confess to being on the fence, as I can see little difference either way. Possibly in different soils there may be different results, and it is a matter worthy of a little attention now when syringing is a necessity from other causes.

Disbudding, tying and keeping your stock up to the standard is as necessary now (if not more so) as during the height of the season, for it is in a falling market that quality tells. A great many growers do not seem to fully realize that they are helping to keep the carnation a cheap flower and to keep down the legitimate profit they should have from their houses by placing a lot of carelessly grownstock

Once carnation growers as a class can say to their commission dealers, "We insist that none of our carnations shall be sold for less than \$1 per 100, and all that will not bring that figure are to be returned to us," they will be surprised to learn how many could be sold at that figure and over, that are now sold for much less; and they would also learn what to avoid in the way of bunching, counting and packing, and what varieties to discard.

ALBERT M. HERR.

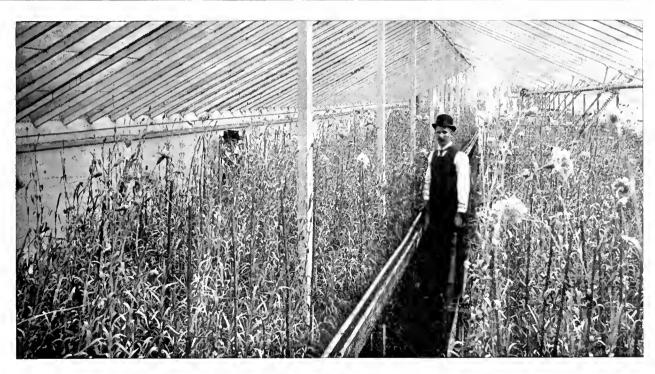
#### Notes and Comments.

#### PELARGONIUMS AND FUCHSIAS.

I dropped in the other day on George E. Campbell. Mr. Campbell is well situated both for local trade and to furnish well-grown stock to the retailers, being conveniently located and within fifteen minutes to half an hour's drive to most of what we call the city florists. Mr. Campbell is very much pleased with

old varieties? For my own gratification I have been picking up varieties of fuchsias wherever I could, and among them I have one which came to me labeled "Elm City," but if it proves to be the good old Elm City I grew twenty years ago, I shall be very much surprised. Black Prince is of more recent introduction, yet it may be termed old, for I have known it for at least fifteen years. Why it was named Black Prince I never could understand. It could not be on account of the flower being dark, because it is not. The midribs and stems of the young growth have a somewhat dark hue; possibly that is the reason for its name.

However, be that as it may, it is very popular market sort, and is perhaps grown more largely than all the rest of the varieties combined, that is to say, in this city (Philadelphia). It is a good grower, makes a nice shaped plant, and is easily carried through the hot, dry summer weather. I remember a good



HOUSE OF MAYOR PINGREE CARNATIONS, GROWN BY C. W. JOHNSON

on the market at this season of the year. It is claimed that as no coal is required and very little attention but watering that even at the prices realized they are paid for their work. Possibly they are, but any carnation that will not bring at wholesale \$1 per 100 should not be put on the market, because whenever you get below that mark you are cheapening the better grades in proportion.

It is to be hoped that as a natural result of the production of fine varieties the prices will rise to their standard and that in a few years \$2.50 will be a low-water-mark price, and the better grades will average up to \$12 or \$16 per 100. This getting up to a paying level in carnation culture will, however, be an uphill job so long as carnations are sold as low as 10 and 25 cents per 100 over the counter of the commission man, and the grower is willing to have a return at the end of the season of one-eighth of one per cent on the money he has invested. This is not an imaginary profit but an actual one in some instances.

the comparatively new zonal pelargonium Mphonse Ricard. It belongs to what has been styled the "Bruant" and "Sunproof" race, having strong foliage of heavy texture. The individual flowers are large and numerous, and the trusses are the largest 1 have seen. The color is a light red. Mr. Campbell expects to go into this quite heavily. He has a fine stock of the show and regal pelargoniums—the one he calls Maud he thinks a great deal of; it is dark red in color with darker blotches. It has the advantage also of being dwarf and neat in manner of growth.

of growth.

We were comparing notes about fuchsias. The fact was deplored that though most of the new varieties had very large flowers, yet the habit of growth was not nearly so good as in some of the old-timers, such as Elm City, Inimitable, and similar types. I forget the amount that Joseph Campbell—father of George—who joined us, said he would give for an old stump of Inimitable. What has become of these good

old kind called Maori Chief, though the name was changed to Modoc Chief by some of our old-time Philadelphia catalogue men, whether by accident or because it was easier to say, I do not know. Lord Byron is grown to some extent for market, and a very beautiful single flower it is, with rich plum colored corolla and red sepals, but it is not nearly so good a grower as is "Gracieux," which appears to have been renamed "Little Beauty." This is the best variety that I have so far seen for some time for a market fuchsia. At present the indications are that it cannot be grown to a very large size from green cuttings for spring sales, but it certainly can be grown into a very pretty shape. The corolla is single and in color it is a delicate light bluish purple, and it is covered with buds and blossoms from bottom to top.

#### ADVERTISING.

This is worthy of our deepest thought and most intelligent consideration. I have been an advertiser "off and on"

for twenty years. When I first tried the influence of printers ink to draw trade it was through the medium of the good old Gardener's Monthly. Like most other advertisers I have had varying success—sometimes I would make a big hit, and at other times I would miss the mark—all of which caused me to do a lot of thinking and some experimenting.

thinking and some experimenting.

A few years ago I advertised in both trade papers. There were only two at that time. I felt reasonably sure that both papers went to about the same class of people, and in order to get an idea as far as I could which gave the best returns, I made a difference in my post office address in each paper, though not enough to cause my letters to go astray. After what was considered fair trial it was found that six to one more inquiries were received from the advertisement in the trade paper which I now use exclusively as an advertising medium than from the other one. was certainly food for thought, though not conclusive evidence that the other medium was no good.

An advertiser of my acquaintance, who uses only one trade paper—the AMERICAN FLORIST—at the present time, recently received two orders for stock as advertised, and in addition to writing the orders the correspondents went to the trouble to state that they saw the advertisement in the other trade paper, or in other words, in that one in which it did not appear. The only explanation, apparently, is that a persistent request is made by the trade paper which did not have the advertisement therein, yet was given credit therefor, to advise its readers when writing to mention their paper, or words to that effect, with every advertisement. It is a good scheme may be for the paper because it becomes so impressed upon the minds of its readers that they are liable to make the mistake of giving eredit where credit is not due without being conscious thereof, but it is hardly treating its readers and advertisers fairly because it creates a wrong impression.

The AMERICAN FLORIST might try the same or a similar plan to its advantage possibly, and it would act as a counterpoise upon the general readers. I would not, however, approve of the making use of the space paid for by the advertiser to accomplish the reform, because this looks too much like taking an undue advantage of your patron: "getting the penny and the cake" both, as it were, or rather using for your own aggrandizement that which some one else has paid for. I am authorized to give the above advertiser's name to anyone wishing to know who it is

#### Among Chicago Growers.

There are very few places in this country where so many growers of cut flowers have collected as have assembled at Bowmanville, just north of Chicago. Here were located some of the first establishments ever erected for the purpose of supplying the Chicago cut flower market and here to day is the seat of that large interests.

W. Jacques was the first florist to build at Rowmanyille. Other pioneers were W. D. Allen, A. T. Jackson and A. V. Jackson. Twenty years ago these growers owned a combined area not exceeding 30,000 feet of glass. Now 4,250,000 feet is not more glass than is there. Of the old guard, V. Jackson is the only one who is still in business, but Otto Ristow, Julius Ristow, August Grossman, Herman



McCOY'S STORE, TACOMA, WASHINGTON.

Bauske, J. A. Budlong, the Reinbergs, Peter Shaffer, Anton Then and others have spent sufficient years there to have built splendid businesses.

Among the finest earnations which reach the Chicago market are those from Weber Bros., 2408 Lincoln ave. This firm grows but three varieties, the Lizzie Me-Gowan, Daybreak and Tidal Wave, which they plant early in about equal proportions. These earnations have been in bloom continuously since September 20th and are now in perfect health and vigor. Weber Bros, are meeting with good success with Kaiserin roses, which are just now showing buds which promise an abundant crop at just the season when Brides will begin to be scarce. For summer bloom the Webers take up their Kaiserins in the fall and keep them in a cold frame through the winter until March or April when they are replanted on the benches.

Manguson & Pearson are cultivating mushrooms quite as extensively as they are roses and carnations and find them a paying crop. They have three houses devoted to mushrooms, one house being built expressly for this purpose with benches one above the other, the second bench being twenty inches above the lower bed.

The greenhouses of Otto and Julius Ristow are joined end to end. They have everything in excellent condition. Otto was one of the first florists around Chicago to make a success of American Beauty. Julius has two large new greenhouses in course of construction

As a rose grower Herman Bauske has no superior. He grows most of his rose plants two years on the benches, and says that the greatest success which he has ever had was with Beanties which had been forced one year and then replanted. Mr. Bauske is erecting five new greenhouses, each 21 x 260, which he expects to have completed by June 1.

pects to have completed by June I.

The establishments of the Reinberg brothers are entirely separate, that of Peter being on the east side of the dividing alley with that of George upon the west. The two began in their present locations ten years ago, building ten houses, four for George and six for Peter. Each

year since 1888, they have made additions to their buildings and at present each brother has nearing completion six new houses, 21 x 265. With these each will own one-half of 600,000 feet of glass. This immense place is devoted to the production of cut flowers, principally roses, although within the last year or two they have gone into carnation growing upon a large scale. Quantities of young roses and carnation plants are also offered in the market. Seven years ago the firm of Reinberg Bros., now located at 51 Wabash ave., was organized for the sale of the product of their establishments.

#### The Growth of Floriculture.

It is not a great many years since floral establishments of any importance were confined to the eastern portions of the country. Now, however, they are to be found in every town or city worthy of the name from Maine to California and from Virginia to the State of Washington. The truth of this is fully borne out by the illustrations of stores which have appeared in our pages at various times. Last December, for example, we reproduced a photo of F. E. Gray's store at Los Angeles, Cal., which will compare favorably with the best of any section, and the same may be said of McCoy's, of Tacoma, Wash., whose place is shown in the accompanying engraving.

#### A Means to an End.

Vour humble servant recently had the temerity to stand before his betters and express himself on the subject of "The Florist versus The Flower Show," a topic of which he does not profess to know it all, although he has had considerable opportunity to learn, it an active experience covering the past nine or ten years, and embracing a variety of spheres can be counted on the credit side. His main idea was to say a few words for the flower show as a means for widening the florists' market. An attempt was made to show that the feature of prize money was not the all important object to the commercial

grower; but that it is, on the contrary, a really minor consideration. Incidentally, the question of what constitutes a successful show was touched on and the too frequent habit of applying the touchstone of the box-office as the only criterion was

mildly criticized.

All this was expected to meet with a more or less general assent, and the writer was greatly surprised at the storm of controversy indulged in on the subject. But what is most to be regretted is the fact that but few of those present grasped the idea that was attempted to be brought to their consideration, namely, that the flower show is a means to an end-the widening of the market for the growers' product. How much thought does the average florist give to how he is to sell his stock when produced? You see oceans of advice to him how to grow his crops. Week in and week out he is deluged with cultural instructions of the most copious and exhaustive kind; but how seldom is there a word as to the disposal of all this fine stock. Is not the selling of as much importance as the growing? Should not that department of the business receive as much thought and discussion?

No doubt it was the writer's own fault that he missed his mark although he tried to make himself clear. Some say that his language was too common; that vulgarrauguage was too common; that vulgarisms abounded; that members of the Browning Society, of Boston, and the Pantfellian Society, of New York, who were present were shocked at the expressions used; that the words "bosh" and "bidney" were uttored in their present where the state of the state "kidney" were uttered in their presence. This frightful "break" probably accounts for the state of tremulous indignation into which some of the attenuated cultures were precipitated during the discussion. Expressive American idioms may do very well for the mob but should undoubtedly be kept in the background when the frou frou, and the kid glove, and the simper appear. It is also brought out in terms of reproach that this common man isn't even "a grower." Alas, alas, 'tis but too true! He was brought up at the plough and has been dealing among farmers and gardeners all his life, but yet he is no grower, only a seedsman. The seed trade is, however, a business in which the selling end is studied as well, if not better, than the seed growing part, and therefore a seedsman should not be the very worst adviser on the matter of widening the market for the florist. The criticism, if it means anything, means that only a grower is capable of talking intelligently on the subject. On the contrary, it is generally accepted that one can see things clearer at a little distance than when right under his nose.

As to being a theorist the man that is not a theorist does not amount to much. Theories, or ideas, are required to the beginning of all things. The theories may not always be correct but that is not the To condemn a person for being a theorist is about on a par with condemning a man for being young. It is related of William Pitt, or Benjamin Disraeli, or both, that this serious crime of youthfulness was once triumphantly charged to them. No doubt their accusers not only thought them guilty of being young men, but also of being thinkers, or theorists. However, William and Benjamin both survived and therein is a crumb of comfort for a humble admirer of these great This common, eight-day person pleads guilty to the serious delinquency of being a theorist—and a young man to boot—not because he wishes to be so but because he was born that way. Furthermore he hopes to keep hearty and vigorous for many a day and always full enough of the healthy effervescence of youth to have some ideas to express for the good of the grower and the good of himself.

G. C. Watson.

#### The Yellow Daisy.

The yellow daisy Etoile de Lyon, is a very acceptable addition to this popular class of plants: while quite common in the large cities, it is not as yet widely disseminated, this being only its second season. Frederick Burki of Allegheny City, Pa., is credited with sending out this really valuable variety, which he imported from Germany. Some years ago a large yellow daisy similar to this in appearance was forced for the New York market (we do not recollect the name), but it proved to be such a shy bloomer that the room was soon taken up with more productive stock.

Etoile de Lyon is not much of an autumn bloomer, but from January until the summer months it can be counted on for a continuous crop of fine large flowers from two and a half to three and a half inches in diameter, borne on good long stems. The flowers when cut keepfor a long time and this quality makes it especially desirable to the retail florist. For the Easter trade it makes a very showy specimen, as the accompanying illustration shows. An 8-inch-pot plant carries from 100 to 150 flowers and well clothed with foliage.

#### Fern Notes.

ADIANTUM FARLEYERSE.

In a recent issue of the Gardeners' Chronicle I notice a correspondent writing from the United States, says: "The summer is the most trying time of year for the above owing to the dry heat, but this is overcome by throwing plenty of water about, especially overhead," and adds, "English gardeners would no doubt consider this a dangerous practice." Now, this reminds me of an incident which occured while I had charge of the plant houses at the Royal Horticultural So-

ciety's gardens, Chiswick. In one little house, I had an arrangement of choice foliage plants, such as crotons, dracanas, palms, and a number of other subjects, including among ferns some fine plants of Adiantum Farleyense. The whole house was syringed regularly every morning and evening, the Farleyense seeming to appreciate a shower as much as any of the other plants. A lady visitor happened to come along one morning, just as I was using the syringe, and was much distressed at what I was doing, saying I was certainly destroying those lovely ferns, and advised me to see some one in authority before I did additional mischief. After listening to further protests, I informed her that I was in authority myself, and had subjected the Farleyense to the same treatment for a consider-rable time. The lady seemed more than ever astonished at this and told me that her gardener was always afraid to let a drop of water go on the fronds. I gathered, however, that the gardener never grew Farleyense satisfactorily, and I fancied he would hear something about it when the lady returned.

Now, I believe it is not an uncommon mistake to keep this beautiful fern too dry. To have healthy plants they must be potted in a rough porous compost, and when growing freely they take up a lot of water. As soon as they get a little too dry, the pinnules curl up and generally the under ones suffer first. The pinnules which have suffered cannot absorb the water afterwards, but begin to decay as soon as wetted and cause what is usually termed damping. The roots having probably suffered as well, the plants soon get into a weak, unhealthy condition, which is frequently attributed to too much moisture, whereas the opposite has been the primary cause of the evil. I do not recommend the too frequent use of the syringe, but in hot dry weather it is certainly beneficial when used judiciously.

DICTYOGRAMMA JAPONICA.

This is now included with the gymnogrammas, but is very distinct from the



THE YELLOW DAISY, ETOILE DE LYON.

calomelanos group, being destitute of the farina (or powder) which is so conspicuous in the gold and silver varieties. fronds are also of a thick coriaceous texture. In seedlings the first fronds are di vided into from 3 to 5 pinnæ and when more advanced they have from 5 to 7 strap shaped pinna on either side and terminate in one longer and more pointed. The basal or barren fronds spread over the pot and the fertile ones grow nearly erect. When well managed this makes a most useful tern for decorations and deserves to be more extensively grown for florists' work. Fertile fronds are not so abundant as in many ferns, and the spore cases are inconspicuous. To mature spores the plants should be grown in a cool house with rather a dry atmosphere. Good spores germinate freely, and almost as quickly as those of the gold and silver ferns. In a young state they are slow compared with pterises, but after they once get a start they make more rapid once get a start they make more rapid progress. This fern is especially adapted for early spring work. As its name im-plies it is from Japan, and succeeds well under cool treatment; it should be potted in a loamy compost. If kept in a cool house through the winter and started in heat early in the year, young fronds are thrown up freely, and it takes a very short time to establish a good plant if there is a strong crown to start with.

I should have mentioned that the fronds te of a deep green, with a bright glossy surface. There is a variegated variety with fronds of a lighter shade, and a pale vellowish green, irregular linear marking. This is, perhaps, the most useful of the two, and finds more favor with our marker growers.

#### ASPIDIUM TSLS SIMENSIS

It is now some years ago since I first met with this useful fern. It appears to he closely allied to Aspidium (Polystichum) aculeatum but differs in being of a darker olor, the stipes and scales are almost black; the deep green fronds have a bright surface, it forms a most compact and syn metrical plant, and being of a good substance and nearly hardy may be used where many other terns would quickly perish. Spores are always plentiful and germinate treely. It is not so rapid in growth as many terns, but this is made up for by the time the plants last in good. condition after they are established. I should have mentioned that it may be grown in loam, and an intermediate temperature, a dry atmosphere must be evoided or thrips will be troublesome.

Thelieve this is the same fern as referred.

to and illustrated at p. 557, under the one of Aspidium tensemense. I have tour dithere has been some contusion as to the spelling of the name, but believe the

#### ASTROLA CORRACTION.

This is another asciul term which is not in highest in the does not come quite so section spores as many but with care good hat his easy to obtained, the chief thengus to talle the spear fronds as soon is the apsales begin to open. Take most a this class the scotlings are slow of growth han the trands are of great subrance and a leight tresh given, lasting under end treatment. The above which cores tree Australia is usually the an anenye are with A. Capense but this from South Africa, though be amfally that the the same is sufficient , distinct for horti ultural purposes to preserve the transport of the Cape variety bring the later to the Cape variety bring the later to the Cape variety and the property of the Cape variety of the Cape va

state. In the Australian variety the rhizomes are conspicuous and covered with reddish brown scales. When well grown it is most effective as a pot plant, and there are few ferns which last as well; in the cool fernery it is always effective. I may mention that this fern is usually catalogued with the polystichums Aspidium sctosum is another species which may be grown, and makes a nice plant under similar treatment, but grown in heat it is of little use.

SMALL FERNS.
From now onward, during the time Dutch bulbs are flowering, small ferns are more in demand than at any other season of the year, and it is perhaps the most perature of 65° to 70°. They must be well exposed to the light and watered carefully; overwatering is very damaging at any time but more particularly with fresh potted stock during the autumn. They may be kept growing freely nearly up to Christmas, when they should have rather a cooler position. Placed on a rather a cooler position. shelf where they get all the light possible, they will mature their fronds and harden off. Care must be taken that the temperature does not fall too low, especially when first removed from heat, or the fronds will go rusty. Many collections of ferns have this rusty appearance of the fronds in winter, due to random changes A. Hemsley. of temperature.



POLYPODIUM NIGRESCENS

difficult period to have useful material, for the autumn grown fronds will begin to get shabby and the new fronds will be too tender. It requires some forethought to have really good stock for early use. It is cliefly the varieties of Pteris serru Leta and P cretical that are most service able. To cusure good stock, a batch of Lealthy seedlings should be ready for pottime early in September. If these are potted mainth changes of four or five plants to other in 25 and properly to ited they will come in at the right to e. They may be green on in a tem

#### Polypodium Nigrescens.

On page 597 of our issue of January 8, Mr. A. Hemsley gives some interesting particulars of this plant, to which we may now add that some growers in this country have found it useful for general greenhouse purposes, but rather delicate for the ordinary trade of florists. It is certainly a handsome and striking plant, and should find tayor among the amateurs and gardeners who have the requisite greenhouse accommodations. The plant is a native of India, and sometimes called Phymatodes nigrescens.

#### Azalea Fielder's White.

This white azalea is perhaps one of the very best to grow for cut flowers. The flowers are pure white, and about three and one-half inches across. The plant suffers less by cutting than any other in its class, and produces longer stems. Plants have been cut back and left without a leaf and without an eye over one-sixteenth of an inch long, and they pro-duced flowers on the three hundred and sixty-fifth day, and after two weeks longer were covered with flowers, demonstrating that they can be cut severely and still bloom every season. This variety has not such a compact habit as most others, but it is a free grower, and if, as soon as the plants have done flowering, they are dried a little, the seed vessels picked off and the shoots shortened in, the balls reduced and repotted, they will flower freely every year. Nearly all the cuttings will root.

John Coulson.

#### New York.

BUSINESS VERY DULL IN BOTH RETAIL AND WHOLESALE CENTERS. - LOW PRICES. -NEWS FROM BERMUDA LILY FIELDS .-A FIGHT WITH THE GREEKS. - PROGRAM FOR CLUB MEETING. - VARIOUS ITEMS OF INTEREST.

Business is unprecedentedly dull for the season; so say the retailers and that clinches it, for the wholesale dealers have already given their testimony to that effect. War excitement is the generally accepted explanation and if this is the correct theory we have seen the finish of the flower trade for this season, at least. Monday of this week was the banner day for bad business, Mr. John Weir asserts. Mr. Weir does not often speak out so decisively. The middle of the week sees production shortened up about one-half and while the demand has not shown any increase in volume yet results are apparently better than last week, for there is not so much stock among which to divide the total receipts. Violets are practically unsalable; they are disposed of in original packages for best offer, and this is pretty low. Lilies manage to realize two dollars a hundred at 34th street market; some were bought last week for one dollar a hundred. Roses are low all along the line, extra good Beauties bringing twelve cents with difficulty and when sold in bulk bringing considerably less. Lily of the valley is of fine quality, as a rule, but the cut is largely increased and prices are nowhere. South-ern lilac is now on deck and is good, bringing cost of freight and a little more.

James Weir, Jr., returned on Tuesday

from Bernuda, where he has been on a visit of inspection of the lily fields. As this firm uses about 60,000 bulbs every year the loss of one-third of their stock the past season from disease makes the matter one of much importance to them. Mr. Weir says that the majority of the fields be examined looked decidedly unpromising

MacDonald & McManus, who are creditors of the insolvent firm of Polykranas & Stravopoulo made a seizure at the establishment lately occupied by that firm one day last week, and the Marshall had a lively rough-and-tumble fight with a dozen or more Greeks before possession was gained.

Jas. Weir & Sons have secured the store on the corner of Fulton street and Hanover place, Brooklyn, which is to be vacated by Peter Mallon on May 1, and will run it as a branch store.

W. E. Britton of the Connecticut Agri-

cultural Experiment Station, will be the

lecturer at the May meeting of the Florists' Club. His subject will be "Experiments with Chemical Fertilizers on Greenhouse Plants.

Cleary is getting the crowd to his auction rooms these spring days. A large and varied stock and energetic hammer wielder with the resultant competition are a great combination in the auction business

Louis Kratz, of 220 Lexington avenue, Jersey City, was brought before the police court on April 16, on a charge of assault and battery, preferred by Mrs. Louis Kratz.

H. A. Siebrecht & Son have just shipped to Mr. Ulrich, at Omaha, a car load of hardy ornamental shrubs and climbers to

be used in the decoration of the grounds of the Trans-Mississippi Exposition. Miss M'Creary, of Orange, N. J., will succeed Charles L. Doran, at 860 Sixth avenue, on May 1.

Edw. Littlejohn, of Chatham, N. J., made an an assignment on Thursday, April 21.

#### Begonia Notes.

Those of us who saw the grand displays of begonias at Newport last summer during the convention of the S. A. F. were made aware of the greater possibilities of the semperflorens type of begonias for summer bedding.

If I am not mistaken Vernon was the first of the race to make a name for itself in that direction in this country, and those which have come later may be selections from that variety. I am trying a number of the varieties this year, and it is interesting to watch for the

variations which come in a package of seed. The only way to establish a strain of any of the types with the hope and expectation of keeping them true is to isolate the plants that are intended for seedsaving purposes, and even then with all the care exercised variations may be looked for.

Begonia Erfordia will be largely planted the coming spring for next sumplanted the coming spring for next summer's display. I was very favorably impressed with this variety two or three years ago. The seed was sown too late that season to give the plants a trial for summer bedding, but they made grand plants in 6-inch pots for the fall, and found a ready sale among dealers who sold them for window plants, for which purpose they are admirably adapted. This is said to be the result of a cross between the old reliable Vernon and Schmidti, and the flowers of the two varieties are sympathetically crossed for seed saving purposes every year and offered in many of the seedsmen's cata-

The majority of the plants of Erfordia will produce flowers of a beautiful deli-cate shade of pink, while the remainder, about five per cent perhaps, will bear white flowers. I secured seed of Schmidti and the plants resulting therefrom at this stage of their development show strong variations. I had a pre-conceived idea of what Schmidti was like, having, I believe, seen it many years ago, but while some show a tendency to resemble what I had pictured Schmidti to be, most of them appear to look like semperflorens.

My object was to select the best of the respective types and cross them and save



AZALEA FIELDER'S WHITE.

my own seed, and then select the very best varieties and increase them by cuttings. It is best not to allow the young growths to become too long before severing them for the propagating bed, as many of them do not seem to break well

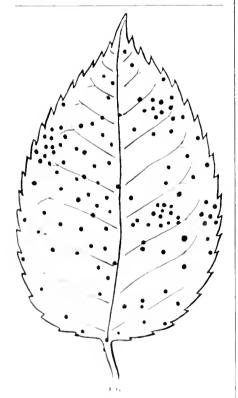
from the base of the plant.

Before leaving the subject of the begonia, I have great faith in its future, for bedding purposes as well as for use in conservatories and for home adornment. The tuberous rooted section has not seemed to "catch on" for bedding purposes in this climate so far, and may be we have not studied their requirements to fully as to warrant success as we might and ought to have done. We are, however, promised a new departure in this class; it is called Duke Zepplein, which will be watched with much interest the coming summer.

L. E.

#### Black Speck of the Rose.

A gardener complains to me of his rose leaves being badly disfigured with minute dark specks and asks for the cause and cure for the same. The trouble is due to the indirect and not the intentional action of a fungus, and in this respect is quite unusual and merits a word of consideration. The fungus that is the source of trouble is somewhat closely related to the coarse one that thrives upon bread, and is very damaging to sweet potatoes in the storage bin, causing the soft rot. In short, it is one of the molds and grows upon organic substances and not, as before stated, upon the rose. Figure



I shows a rose leather as distigured, with

the specks

The fingus in question is Pilobolus crystalmus Tode, and in this case, grew in large numbers upon the manner used to cover the bed when the roses were growing. As it matures a dark oval ball or sac is produced filled with the spores of the pilobolus, as shown in figure 2. This black sac is supported upon a swollen stalk rising from the surface of the manure and when is attuct the callerged por

tion, filled with liquid, suddenly forces off the spore sac and collapses, throwing the ball of spores into the air, also shown in figure 2. These dark spore sacs are covered with moisture as they are discharged and will adhere to any object which they may strike in their flight.

The writer has examined houses where this fungus has developed extensively upon the manure and counted as many as a hundred speeks to the square inch upon the white wood work surrounding the bed. An examination of the perpendicular sash in division walls in greenhouses will show, from the numerous spore speeks adhering, that the height to which the dark saes are thrown is fully ten feet; but there is a rapid falling off in the number upon any given area when the height of two or three leet is reached.

These specks, of course, from what has been written, may be upon any plant that is within rauge; but they do no further harm than the disfigurement thereby produced. They are more often met with in rose houses, because there the manure is more frequently left upon the surface than with other kinds of plants.

If a remedy is sought it may be found in dispensing with the manure on the surface, stirring it at frequent intervals to prevent the fungi from having time to mature their dark shells containing the "shot" in the form of spores, so to speak, or by using some fungicide as a spray upon the manure that will kill the mold. However, as a rule the bombardment does not last long and no vigorous measures are generally called for in this case.

Byron D. Halsted.

#### Philadelphia.

BIG STOCKS AND LOW PRICES.—NEWS NOTES FROM THE CITY OF BROTHERLY LOVE.— BAKER'S GREAT BOWLING.—POINTERS.

Roses are now on the market in unlimited quantities. Fine long-stemmed Beauties, three to four feet, are sold every day for \$1 the dozen, and a large department store retails them at 15 cents each. Of course after a purchase there the \$3 to \$5 per dozen asked in the cut flower stores gives the buyer the impression that he is being robbed. Still the regular market channels do not take half the stock coming in, so what else can the poor grower do?

Carnations are also mountain high in quantity but mole-hill low in price. The quality is all right, but the buying public seems to have its heads full of war news, and as a result the finest stock at tempting prices finds but a slow demand.

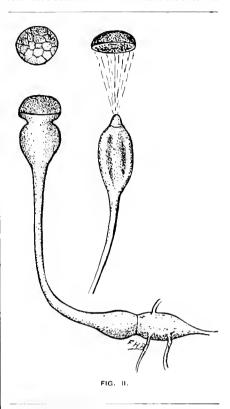
J. W. Colflesh is cutting some nice lacqs for which he finds a ready sale, as he has the market all to himself.

Sweet peas are plentiful at from 75 cents to \$1.50 per hundred. Violets are practically done, although there are a few stranglers about.

Litaes from Virginia and Maryland are coming in great quantities. S. S. Pennock received thirty barrels last Tuesday upon which he realized \$3 per barrel. Lilaes will be in flower here in a few days. Mr. Pennock has fitted up a carnation cellar which he has taken special care to have ventilated thoroughly.

At Robert Craig's an immense shipping trade is going on, this being the busiest season he has experienced for years. Two of his houses are planted with gratted frascrius, which are looking well. For Laster these houses were filled with lilies and hydrangens, but two or three days after Laster the roses were all planted trass very quick work. Mr Craig says that he finds an immense demand, for

grafted roses for forcing. All the growers are waking up to the advantages of grafted stock, and everyone who had a supply of these roses has sold out, so that no more are to be had at present. Growers in this neighborhood who planted a few last season for a trial are all after a



larger stock, but as a rule find themselves too late. The popularity of the ficus must be noted again. A house at Mr. Craig's is filled with plants selected in lots and marked "sold." All are in 4-inch pots, the demand being so great that they are taken in the small sizes. It is the same with all the growers.

F. Supoit has been sending in some very pretty anemones. They are all colors of the rainbow, and are very attractive and showy flowers. He winters them in a cold frame, planting them between rows of violets, as with this treatment they come in just as the violets go out. They will find greater favor with the public when better known.

Japanese and Bermuda lily bulbs are quoted considerably higher this season than last. One of the dealers says he will guarantee his longiflorums to the extent that he will remit the price of all bulbs that, when grown, are found to be diseased to such a degree as to interfere with their sale.

The public squares have been very gay the past lew weeks with their beds of hyacinths and tulips. The bulbs were furnished by H. F. Michell and turned out

to be exceptionally good.

Bowling matters are looking up, and it is now proposed to have a night for each class, have all the men there, and from those present select teams who will howl against each other, the individual scores to count for the medals offered. The Graham medal for the ten highest games each month is likely to be won this month by W. J. Baker, or "Old Two-hundred," as he is now called, as he promises to win with an average of 200 or over.

The Pennock Co., retail florists, of Wilmington, Pel, have given up their

local business and gone into wholesaling exclusively.

Visitors in town: Timothy O'Connor and wife, of Providence, R. I.; M. B. Bunker, Boston; Wm. Edgar, Waverly, Mass.; F. G. Berger, Baltimore.

#### Boston.

CUT FLOWER BUSINESS IN UNSATISFACTORY CONDITION.—ENTERTAINING LECTURE AT HORTICULTURAL HALL.—NEW CYPRIPE-BIUMS. — DAMAGE BY FROST.—F. W. FLETCHER GOES TO WAR.—CARNATION NIVEA IS A WINNER.—AUCTION SALES.—FINE VIOLETS.—BIG OFFER FOR A CARNATION.

The cut flower business is in a most wretched condition. Ever since Easter it has been bad and now seems to be growing rapidly worse. Just as the demand diminishes the supply, with proverbial contrariness, shows a big increase. The country customers who have been good friends to the wholesaler all through the winter are now getting home crops and can get along without the Boston shipments, which adds to the local inactivity. Roses are coming in quantities that are unmanageable and even carnations are sluggish. Bulbons stock of all kinds is unsalable. Violets run very poor except in the case of a limited quantity from frames, but even the latter are disposed of with difficulty. Lilies continue to be received in excess of the demand. Smilax is in short supply and appears to be about the only item that is able to maintain its price.

A very entertaining address, under the auspices of the Massachusetts Horticultural Society and the Appalachian Mountain Club, was given at Horticultural Hall on Tuesday evening, April 21, by Cornelius Van Brunt. The subject was "The wild flowers of the Canadian Rockies amid their native surroundings," and many stereopticon views were presented to illustrate the lecture. Many of the views were beautifully colored by Mrs. Van Brunt who accompanied her husband on a trip over the Canadian Pacific Railroad from Montreal to Vancouver.

The usual Saturday display was made at Horticultural Hall on April 23. A well bloomed plant of white genista from Japan was shown by James Comley. J. E. Rothwell was awarded a certificate of merit for Cypripedium Eleanor Rothwell, a cross between Leeanum and Lowin made by the late Win. Grey and now flowered and shown for the first time. Mr. Rothwell also received honorable mention for Cypripedium leucochilum a pretty natural cross between bellatulum and concolor.

For the third consecutive season the wistarias in this vicinity are nearly barren of blossoms. The mischief was undoubtedly done in the severe freeze experienced late in March. The flowers on Mahonia aquifolia are also nipped, but magnolias, forsythias and other early blooming shrubs that suffered last year are in fine condition and make a great show.

F. W. Fletcher has resigned his position as editor of the New England Florist and has gone to the front as a war correspondent for the Boston Herald. Thos. II. Meade succeeds him in the management of the paper.

Carnation Nivea is fulfilling the predictions made for it as the best standard white carnation for this market. As received from Cook by Welch Bros. it has every good quality of a market carnation.

every good quality of a market carnation.

N. F. McCarthy's auction sales have begun and will continue regularly every

Tuesday, Thursday and Saturday until June 22. Prices at the initial sales on dormant stock have been very good. Geo. A. Sutherland is receiving some

Geo. A. Sutherland is receiving some very handsometrame violets of the Campbell variety.

Peter Fisher has refused an offer of \$4,000 for the stock of carnation Mrs. T. W. Lawson.

Visiting Boston, Winfried Rolker, New York.

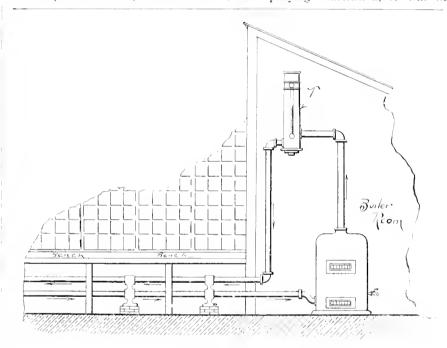
#### Steam and Hot Water Heating.

PART IV. HOT WATER HEATING WITHOUT BOILER PIT.

It is a general supposition among florists, and also many practical hot water fitters, that to have a successful hot water heating plant for greenhouse work the boiler must be located in a pit or cellar several feet below the heating coils. Such, however, is not the case, but at the same

point as the building will permit of the delivery of this water into an expansion tank, as shown at T. in the illustration. This flow pipe from the top of the boiler to the expansion tank should be covered with a good non-conducting pipe covering in order that no heat may escape until it enters the expansion tank. The water is then carried from the tank at a point lower than the inlet as shown, connecting with the upper part of the bench coil and returning to bottom of the boiler as indicated by the direction of the arrows.

The vertical line of supply pipe from the bottom of the expansion tank should not be covered, but allowed to act as heating surface, and in some places this pipe may be situated partly in the greenhouse, passing through the boiler room partition at a point just below the greenhouse roof. When expansion tanks are located at a high elevation, as shown in the accompanying illustration, it will be



HEATING WITHOUT A BOILER PIT.

time a more rapid circulation of water through the heating system will be found in plants where the boilers are located below the level of the greenhouse floor. There are many locations in which it is not practicable to build a boiler pit on account of low, wet ground. It is also a considerable item of expense to build a good boiler pit even on dry ground, especially if the site is a rocky one. Therefore under such circumstances the hot water boiler may be located, as shown in the accompanying illustration, on a level with the greenhouse floor.

A partition, it will be noticed, divides the boiler shed and the greenhouse proper, so that coal-gas, dust and smoke which may escape from the fire will be excluded from the latter. As gravitation alone is the motive power for the circulation of water through hot water plants of this kind, the one essential thing necessary will be to carry the pipes in such a manner that there will be a difference in temperature between the rising and falling columns of water. The best plan to obtain the greatest difference of temperature between these columns of water and secure the greatest motive power for circulation, is to carry all the hot water from the top of the boiler to as high a

found convenient to have them provided with glass water guages, so that the height of water in the tank can be seen at a glance. Again, to fill heating plants of this kind a hose may be attached to the draw-off cock at the bottom of the boiler, when the water system is in or connected with the building. In work of this kind where four-inch cast iron pipes are used with hub joints, cast iron expansion tanks will be necessary; and as they are quite heavy, it will be necessary to provide a substantial support for the tank

It is also an important matter to have solid foundations for the boiler and all the pillars on which the pipes rest, because they are comparatively heavy without water, and when filled with water, as they are when in operation, the combined weight will be considerable. Two good reasons for having solid supports for hot water greenhouse heating plants are: First, because cast iron pipe of the size used on such work has very little flexibility to it, and will therefore break before it bends when improperly supported; and secondly, as it is also important to have hot water coils properly lined and pitched, for the purpose of getting a good and positive circulation of the water; a sag in the

pipes caused by poor foundation might often greatly retard the circulation and affect the efficiency and durability of the apparatus in requiring an increase of attention and tuel. JAMES J. LAWLER.

#### Ornamental Bedding.

PART VI.

Next we will turn our attention to ellipses and how to lay them out. In Fig. 20 a-b is called the major axis, d-e

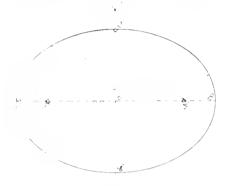
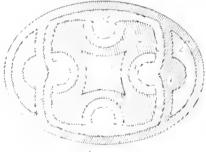


Fig 20.

the minor axis, c is the center, f and g the focil, the distance from the center to either focus is called the eccentricity; any straight line through the center with vertices in the cllipse is a diameter. The relations of the focii to the ellipse are that the sum of the two straight lines drawn from any point of the ellipse to the tocii is always the same. To lay out an ellipse for instance nine feet (major axis) by six and one-halffeet (minor axis) choose the place for line a-b and put pegs at these two points nine feet apart. Proceed to find d and e, as explained for dramonds, c-d and c-c, each three feet three melies, put pegs at d and e. From d intersect a-b with radius c-a, in this case four and one-half feet, which gives the focilf and g. Tie a piece of twine around



112 %.

ant peg / and with it, keeping the twine stretched, draw the ellipse. The dorted lines indicate some of the different positions of the twine and pegs during this process. But peg of in place again. From sect as press as bound it, will come hand on aving out the design. Fig. 21 shows an easy design for an ellipse of

#### Tig :

Alternanchera, parentehroides 2 Microanthera aureanan (\* 3 - Santolina 5 ara (4 - Viernanthera spatulata

Fire a great refret.

A Morran thera paronychioides, 2 derman thera aurici mana 3 Alternan thera paronychioides in a or 4. Santo in a mana 5. La reversa rosea, 6. Achy rathes Lindent

Tree of the feet 1 I beveriese indeaglance, 2. After northere and on spect als 3. After

nanthera aurea nana; 4. Alternanthera spatulata; 5. Santolina incana

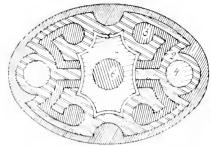


Fig. 22.

These two designs are of a more com-licated nature. The lanceolate outline plicated nature. The lanceolate outline of Fig 24 consists of two curves with equal radii; the centers are situated in the perpendicular of the middle, same construction as when laying out the diamond and the ellipse, but more about this later.

Fig 21 20x10 feet.

Alternanthera paronychioides; 2. Pilea nana; 3. Alternanthera amoena spectabilis; 4. Alternanthera aurea nana; 5. Santolina incana.

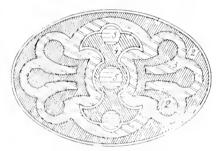


Fig. 23.

The Maltese cross is a design commonly asked for; it is easily laid out and can be made to look very presentable by tasteful planting.

#### Fig. 25.

Alternauthera paronchioides major; 2. Santolina incana; 3. Coleus Golden Bedder; 5. Coleus Verschaffeltii.



This represents a ten-foot cross; first draw a ten loot square, then from the cen-



ter, where the diagonals cross each other, draw the circle, three feet 3 inches radius: from the corners of square measure along each side one foot two inches and set pegs; from the points where the diagonals cross the circle measure to each side six inches and set pegs. Now draw twine around the pegs for each wing; draw the lines and you have the outline of the cross. For the planting of borders one and three, I have allowed six inches. Do not make the mistake to plant different colors in H. Hansen. the different wings.

Chicago.

SHIPPING TRADE IS GOOD, -STOCKS AND PRICES.—CHANGES,—OFF TO THE WAR.— LOCAL JOTTINGS.

Shipping trade is fairly good, but the class of stock that is now required on out-of-town orders is entirely different from that which was wanted a year or two Then a large portion of the orders for shipping, especially to the smaller places, were for the cheaper grades of flowers while now the best is almost

invariably called for.

Large stocks of all leading varieties of flowers are now coming in and nearly everything is sold out every day. The stock of liles, of which there has been somewhat of a glut since Easter, is much reduced, though there is still plenty for all demands at from \$5 to \$8 per 100. Good lily of the valley is quite scarce and brings better prices them it has since Christmas, selling readily at \$5 per 100.

The mortgage on Julius Martini's place,

459 Division street, has been forcelosed and the property has been leased to Jos. L. Raske. It is reported that Martini has left the city.

John Zeek, who has hadcharge of Reinberg Bros', store for sometime, has berg Bros, store for sometime, has resigned his position, and will be with S. B. Winters after May 1. Archie Spence, who has been with Reinberg Bros, for several years, now has charge of the store.

Wietor Bros., successors to the Rogers Park Floral Co., are building five green-houses 30x120 and sixteen houses 20x120, all for roses. They are also putting up an icehouse and packing room and when these improvements are completed their facilities will equal the best

in the city.

At the regular session of the Florists' Club on April 28, it was decided to change the nights of meeting from the second and fourth Thursdays to the first and third Friday evenings of each month. This will bring the next meeting night upon May 6, when the subject for disenssion will be, "Palms, Ferns and Decorations," a topic not likely to be exhausted at one sitting. At this week's session Charles J. Strombach, head gardener at Lincoln Park, read an excellent paper on "Bedding Plants," an abstract of which appears clsewhere in this issue.

Thomas P. McCormick, lately with A. G. Prince & Co., has gone to the war with the Seventh Regiment, L. N. G.

Carl Hammer, with Bassett & Washburn, is a member of the First Regiment, L. N. G., and has gone to Springfield with the command.

Mrs. L. Cation, formerly of Peoria, has opened a store at 321012 Cottage Grove avenue.

Among this week's visitors were Samuel Murray and Arthur Newell, of Kansas City—Mr Newell went to see the picture gallery, and took a trip down the slide.

Bassett & Washburn have leased the Mitchell rose house at Hinsdale, and will remodel it for carnations

## THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, Subscriptions accepted only from thos in the trade. To Europe, \$2.00.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-halt inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

We have received some excellent samples of carnation blooms from Mrs. L. C. Bueheler, Oconomowoc, Wis.

THE National Florists' Board of Trade has moved into larger quarters at the old address, 271 Broadway, New York. Increased business, calling for additional room, is the cause of the change. The telephone number is now 1955.

PRINCE THEODORE GALITZINE, a new orange yellow tea rose, will be sent out this spring by Messrs. Ketten Bros., of Luxenburg (Grand Dutchy). It is de-scribed as being very large and full; long buds, stiff stems and very fragrant.

THE NINTH annual report of the Missouri Botanical Garden comes to hand in its familiar attractive form. The volume is richly illustrated, and in addition to the usual summary of the year's proceedings, contains many valuable papers and notes of a scientific character.

THE Lord & Burnham Co., of Irvington-on-Hudson, N. Y., will move their New York office on May 1 to St. James Building, Broadway and 26th street. Their new city quarters give them increased office room besides show rooms where they will shortly exhibit samples of their greenhouse heaters, ventilating machinery and other manufactures.

THE CANNA LEAF ROLLER is a source of considerable annoyance to canna growers in some parts of Florida. In bulletin No. 45 of the Florida Experiment Station Mr. A. L. Quintance gives a full account of the insect and its life history. The only remedy suggested is picking and burning the infested leaves and trash from the buds, as the insects pass the winter in them.

#### Cut Flower Price Lists Received.

St. Louis Cut Flower Co., St. Louis; II. L. Sunderbruch Co., Cincinnati; Holton & Hunkel Co., Milwaukee; W. A. McFadden, Cincinnati; E. II. Hunt, Chicago; Bassett & Washburn, Chicago.

#### Greenhouse Building.

Flushing, N. Y.—A. L. Thorne, one rose house, 54x150.

Miami, Fla.-Royal Palm Grounds, one greenhouse, 40x100.

West Derry, N. H.-Mrs. L. F. Cullen, one greenhouse.

Joliet, Ill.-Illinois State Penitentiary, five commercial houses, 12,000 square feet of glass, to be completed June 1. Jos. Labo, superintendent.

#### "Greenhouse Management."

This is a book of some 400 pages by Prof. L. R. Taft, of the Michigan Agricultural College, and published by the Orange Judd Co., New York. The author is well known to the trade not only by his

former valuable work on greenhouse building, but also by the numerous excellent papers from his pen on trade subjects, especially greenhouse heating, which have appeared in the last few years. The book eovers the ground indicated by its title very fully, and is profusely illustrated.

The forcing of roses, carnations, chrysanthemums, violets and bulbs is very fully treated, a special chapter being given to each. We note no class of greenhouse plants commercially grown in this country which is not given attention in proportion to its relative importance. Very full instructions are also given on vegetable foreing, mushroom growing, the foreing of truits, the management of house plants, propagation, insects and insecticides, plant diseases and remedies, soils, manures and fuel.

It should be in the hands of every beginner and even the wise ones, who are not too old to learn, while there is of course much of an elementary nature, will find in it many new and valuable hints.

It is sold by the author and the publishers, price \$1.50 postpaid.

#### The Outlook for Cannas.

Taking into consideration the large sales of dry bulbs that have been made during this season, it would seem as if cannas would be used for bedding purposes more largely this season than ever before. There certainly is no florists' plant that affords so certain a display of brilliant color as the canna, no plant with which the amateur is so sure to succeed.

The dormant roots are now grown and sold at a price that brings them within the reach of the masses and a consequent increase in consumption is the logical result. Introductions of new and high priced novelties may not meet with as large sales as heretofore; but as soon as meritorious introductions become known and their price falls to the moderate level, they will be absorbed with the mass.

To sum up the situation: The canna is one of the best and most satisfactory bedding plants the American public has at its command. The people are learn-ing that fact; they are buying and will continue to buy cannas until some superior plant is introduced to replace it. Good, serviceable varieties offered at reasonable prices will sell. C. W. WARD.

#### Greenhouse Heating.

A recent farmers' bulletin of the Department of Agriculture (No. 69) contains a popular summary of experiments on greenhouse heating. It is an unfortunate thing that the accurate and scientifically conducted experiments have necessarily dealt with small houses only. The results are almost uniformly in favor of hot water over steam, of hot water under pressure over the open system and of small pipe hot water systems over 4-inch cast iron pipe systems. Where the piping is poorly arranged, and in small houses where there exist many turns in the pipe and a very small fall, steam has given equally good or better results than the other systems. There are certain indica-tions from some of the experiments that in extensive plants the difference between the results of the two systems may be less great, but this is only inference and not a demonstrated fact.

It is certainly demonstrated, however, that aside from the amount of eoal consumed steam is in every way as efficient for the ordinary commercial place as the

other system, while being cheaper to install and the pipes much quicker heated or cooled. To those so located that manure is a searce and expensive article, the adaptibility of steam to hotbed and frame heating is quite an item in its favor.

The only question to be yet definitely decided, and the one on which the decision as to which to use rests, is as to the amount of coal consumed by each to perform the same service in a day's scale. It is to be hoped that this may be investi-gated at an early day. We have to look to the experiment stations, however, for work of this kind, and there are at present probably none of them having plants of sufficient extent to enable them to test the matter.

#### Omaha.

THE RETURN OF PROSPERITY TO THE NEBRASKA METROPOLIS.-THE WEEK'S RECORD. - EXPOSITION VISITORS.

Lenten season with our florists was very much unlike the old-time Lenten period. The business, during this season, has been on the increase for several years and 1898 is a mascot for us. Things are coming our way, we feel, if we did not get the meeting of the officers of the S. A. F., which is eustomarily held in the convention city during the early part of the

year.

Prices on cut flowers did not range quite so high as in former years, but the volume of business done made an increase in the amount of sales. Carnations and bulbons stock, aside from lilies, were mostly sought for ranging in price from 50 to 75 cents and \$1 per dozen. Roses brought \$1 to \$1.50 with some of the choice a trifle higher. American Beauties were very searce and brought their own price according to quality. There was a very brisk demand for violets and the supply was very short the latter part of the week. Lilies, of course, formed the bulk of the plant sales, although the Dutch hyacinth also sold freely. lilies, those that were in bloom, were all sold at a good price but at the same time the plants were mostly heavily budded. Azaleas were also in great demand and there was little "parleying" on good plants. There was very little demand for palms, ferns and hydrangeas.

Geo. Marshall, president, and Peter Younger, secretary, of the State Horti-cultural Society, were in the city the early part of the week to look over the exposition grounds. G. R. H.

#### Scranton, Pa.

A marked change for the better is reported on all sides and it is gratifying to note that the florists, among others, are inclined to take an optimistic view as regards the pending crisis, and are going ahead as if "peace on earth, good will to men," was the order of the day. Messrs. G. R. Clark & Co., have remod-eled their store and have everything in

fine shape.
W. II. Davis contemplates building two additional three-quarter span houses, one 16x100 for palms, the other 24x100 for roses. In addition to cut flowers, Mr. Davis grows a general stock of bedding plants.

John Palmer has removed his store to 407 Spruce street, the firm of Palmer & McDonald having recently dissolved.

Morel Brothers may make extensive additions to their plant during the coming summer. They report trade encour-HOMO.

#### St. Louis.

BUSINESS SHOWS AN UPWARD TENDENCY WITH MOST STOCKS VERY LARGE. LERNS ARE SHORT.—PLANTING OUT TIME. NOTES.

A slight improvement in trade has been noticed during the last week, although nothing remarkable has developed. Prices still rule low, especially on stock in quantities or in thousand lots. Roses have improved more than carnations, there being an immense supply of the latter to make up for the shortage before Easter. l'ive dollars a thousand for the poorer grades, and a cent a piece for good flowers are asked, but the prices they bring is another story. Cooler weather, necessitating firing, has improved rose stock, and also shortened the supply. Harrisi can be had in immense quantities at your own price, somebody evidently having tailed to make Easter connections. Ferns are very scarce and several parties report their inability to purchase any in town.

Market trade still continues slow, the excitement over war bulletins, and the cooler weather having a depressing effect on business. Orders for planting out are coming in quite freely, and several weeks of warm weather would put things in full swing. The parks have commenced planting out lilies and the hardier class or plants. Bulbous plants have about passed their zenith for the present season.

The fakirs are still with us, one of them having turned over several large lots of carnations the past week and, judging from the purchasing price, must have made a good thing out of them.

Mrs. Martin, who has been conducting the flower stand in Alexander's drug store, has failed. This stand was con-ducted, up to four months ago, by Wm. Lingenbrink, under the name of Elleards. He disposed of it to go to Klondike.

R. F. T.

#### Cleveland.

WAR PRICES PREVAIL IN THE OHIO CITY, BUT IT IS A LOCAL CUL RATE CONTEST WHICH HAS DEMORALIZED THAT MAR-

The usual spring glut, which, owing to a crious circumstances, had been staved on thus far this season, arrived the latter port or last week. Business, up to that time, had, on the whole, been fairly good and, although prices in some lines were often somewhat shaky, there had been manufest, except in one or two isolated and rather unimportant instances, no disposition to unload stock at prices far below cost. Things took a mighty on the however, at the above mentioned time and pretty nearly everyone took a hand in the game, including one dry goods emportum, where some very good long stemmed Beauties were sold for the sugnificent sun of ten cents each. Brides and Bridesmands, at this same establishment were generously offered to the pubhe at the rate of two for five cents. all the stock of Beauties offered in this They ranged case were long stemmer ir an shart ap to two and three feet, but even at that the grower must have been unit entry rewarded for his labors. The tracket for five rate was discounted in more than one florist's shop, where Brides and Bridesmands were sold, in very good grades at 25 cents a dozen. Other florists who were not so long on researontributed to the general cheerful. ness by selling carnations at 15 or 20 cents a dozer, dagodils at 25 cents, and other stocks, which they chanced to be well supplied with at about any old

price." It is announced by one of the festive florists that other further exploits along this line of commercial activity will this week result in the inauguration by his firm of a grand, unprecedented feast of bargains. This banquet may not materialize, as it is contingent upon the erratitudes of others, but should it come to pass we shall enjoy a spectacle unique in the present rough and tumble contest for the bargain record.

Aside from the merry price war there is little to report. The weather is now taking on a more spring-like aspect. Planting, however, even for the earliest stock, cannot safely begin for nearly a week, so that nearly everyone is resting on his oars at present.

#### Pittsburg.

THE FLORISTS' AND GARDENERS' CLUB PLAN TO GIVE A BIG FLOWER SHOW .-PLANTS, PRICES AND WEATHER.

After Easter trade is fairly good, the fact that our country is at war not having affected the local florists' business as yet. Stock is plentiful, of good quality and prices are well sustained. The weather has been much too cold recently for the bedding plant growers, but as soon as it becomes warmer the indications point to an excellent trade in that line. The quality of the plants so far offered shows that good stock will be very general this sea-

The Pittsburg and Allegheny Florists' and Gardeners' Club met on the evening of April 25, and hereafter the fourth Monday of each month will be the regular meeting night. This change is owing to the club's inability to secure the hall on the night previously selected. This month's meeting was well attended and much more than ordinary interest was manifested, the question box proving a source of inspiration. After a lengthy discussion as to the advisability of giving a flower show next fall the decision was left until the next meeting. Those present were very decidedly in favor of giving a show, and all the growers said they would be very willing to participate. all probability the exhibition will be given under the auspices of some worthy charity. A very fine vase of the Walter Harvey cornation grown by John Murchie, of Sharon, Pa., was shown at the meeting by Mr. John Ludwig, the club extending a vote of thanks both to the grower and exhibitor for the fine display. The club seems to have taken on a new spirit and a very successful year is predicted.

Mr. Zyp, of Uitgeest, Haarlem, Holland, was with us last week, and reports trade as good. REGIA.

#### SITUATIONS, WANTS, FOR SALE,

Advertisements under this head will be inserted at the rate of 40 cents a line (seven words) each inser-tion. Cash most accompany order. Phat advs. not admitted under this head. Every paid subscriber to the AMERICAN FLORIST for the year 188 is entilled to a five-line want adv. free to be used at any time during the year.

STILATION WANTED Hyncompetentyoningman: Streets experience, steady and other Best of ref-erences Address GAL care Am. Florist

STILLATION WANTED By young man as second a gardener of to lake cars of small private place, of deletences Address J. O.E.A.R.S.J. out 5.1 between 10th A Pth Ave. Brooklyn, N. Y.

S113 A110N WANTED. In commercial place by single norm hage 0, grower of rroces, carmations, manus yields wades and general stock. References, Enviolence Hill 26 W. Schock M. Owwego, N. Y.

STILLATION WANTED By young man age 21; in the years experience in foscs and carnations, can furthelight the test of references. Philadelphia or vicinity preferred. J.W. Box Ds. Newton, Pa.

STILATION WANTED Increase growing established intentor general greenhause work as assistant letterences and particulars. Western states properly different Address. A P.A. cara American Florist

SITUATION WANTED—By a first class grower of roses. mums, carnations, violets, tomatoes, cucumbers and other plants. Best references; married, no children. F. F. RENTZ, 7 Bitnerville, Lancaster City, Pa.

SITUATION WANTED

by florist and gardener; private or commercial place; near Hoston preferred. Ten years' thorough experience in growing rossa, curnations violets and general forlists' stock. Fur years steady at present place as foreman; god maker-up and seller. German, slogle, 25 years old; 7 years in America. Honest, sober and steady. Best of references. Good wages expected. Ready May 2d. Address. H.S. care Am. Florist.

Wanted-First-class grower to take charge of a section of roschouses Address Wieter Bros., 51 Wabash Ave., Chicago.

WANTED AT ONCE—An all-round good florist, single: German preferred.
BAY WOOD FLORAL CO., Bryant St. E. E., Pittsburg, Pa.

WANTED AT ONCE-Good florist for general green-house work Wages \$20 per boom with board, and lore assessment states factory. HILLSDALE FLORAL PARK, Hillsdale, Mich. and inc

WANTED-Phot graphs of gardens and plans; also specimen plants hardy and otherwise. Send price and particulars to BURTON, care W. J. Stewart. 67 Bromfield St., Boston.

WANTED-An assistant in greeohouse capable of taking charge when necessiry; must adderstand roses carnations and imms: marged and man; wages \$45 per mooth; give references and oathonality Address K. care American Floriet.

WANTED AT ONCE-Man for general gardenlog, especially understanding care of lawns, shrubherv and outling out bedding plants. Young man preferred, Address E. L. B., P. O. Box 101. Northeast Harbor, Me.

WANTED-A good rose grower, as working foreman, one who can take charge of a commercial place. To a reliable, steady man, permanent position, Send coay of references, wages expected. Married man preferred. FLORIST, P.O. Box 230, Madison, N.J.

FOR RENT-For greenhoose purposes, 32,700 square feet on Michigan Ave. Long lease and low rental. Room 122, 184 La Salle St., Chicago.

FOR SALE-Greenhouses on principal street to the city. For particulars apply to J. H. REBSTOCK, 584 Main St., Buffalo, N. Y.

FOR RENT-To retail Borlst, a large show window good location in hotel building. For particulars, etc., call and see.

POR SALE—Florist's single covered wagon; beight about 5 feet, width about 4 feet, length about 7% feet; built to order, costing \$250. Used, but 2 years. Will be sold cheap for cash VAUGHAN'S SEED STORE, BOX 688, Chicago.

FOR SALE—Five greenhouses, all in first-class order, well stocked; a brick house and barn; a lovely home and doing good business; must sell at once on account of more health; a bargeln; 183 acres of land. MRS. H. C. BUCHELER, Oconomowoc Wis.

POR SALE The greenbouse establishment of schiller & Kuske Tormerly Schiller & Mathander, is offered for a de at a great sacrifice; \$9000 will buy 2 19-20 neres of valuable ground, 23 greenbouses, comprising 56,000 equare feet of glass; wells, 2 nice dwelling houses, sheels, etc. located in the village of Niles Center, about 12 ndies from the heart of Chicago; 15 miles to deput. Terms, \$5500 cash, balance on time; investigate. Address correspondence to Pochimann Bros. Morton Grove Cook Co., Ill., or Herman Schiller, \$20 W. Madlson St., Chicago.

#### FOR SALE.

Greenhouses in one of the best citt, s in Wisconsin A got d investment and a money maker for a fustler owner must retire on account of poor health. For particulars write.

A LEUMER, Wadshu, Wis.

#### FOR SALE.

Three well stocked greenlonises 3 vears old, llying rooms, horse and wagons. Will be sold cheap if taken at once; \$1900 for first payment, balance on time, Sick-ness cause of selling. A ANTHES, Milwukee A Warner Aves, Chiengo, or Inquire 286 North Clark St.

## FOR SALE OR RENT

#### VERY CHEAP.

VERY CHEAP.

Lofter for sale or reat my undivided init laterest of the real estate of the wreenhouse properly formerly known as Schiller A Malhader structed in the village of Niles Center, ahout 12 miles from business center of Chiengo and 1bq miles from Morton Grove R R. Depot. The property consists of 23 greenhouses, 2 dwelling houses, berns, wells and necessary sheds on 2.9 20 eres of bird. In visitable Price for midvided built, \$1.50; forms \$1.60 cmsh, bulince payable has evently insuliments secured by mortgage notes bearing 6 per cent interest. Or will reat or lease to some responsible party for a term of verts at an annual rental of \$1500 giving option to lessee to buy my interest for above stated price, provided that said lesse will make repairs the first year to the extent of \$1000. Will acquire deed to properly May 18. Address.

#### MRS. B. KUSKE,

Care Poehlmann Bros., Morton Grove, Cook Co., III.

### **CUT FLOWER EXCHANGE**

404-412 East 34th Street.

Near the Ferry

...New York.

THE ANNUAL MEETING of the Stockholders of the Cut Flower Exchange will be held at the above address on Saturday, May 7th, 1898, at 9 o'clock A. M. Five Directors will be elected and other important business transacted at this meeting.

I. DONALDSON, Sec'v.

### Going, Going, Gone!

and it's your own fault if you don't get the bargaius. Auction Sales of Plants every Tuesday. Thursday aud Salurday at 9 A.M.al.....

### McCARTHY & CO.'S

If you want to buy, send for Catalogues. & If you want to sell, write for terms. & & &

#### IT PAYS!

No. 60.

THIS COUPON

if presented on any Tuesday or Friday during the spring season will entitle THE BEARER to a good comfortable seat at

CLEARY'S

where he can purchase at his own feures anything and everything in plants, roots, trees and shrubs.....

Sales at 60 Vesey Street, NEW YORK, 11 A. M. EVERY TUESDAY AND FRIDAY.

#### Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning...... DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

#### HOLTON & HUNKEL CO.

SUCCESSORS TO

The Wisconsin Flower Exchange. Fresh Cut Flowers, Florists' Supplies

Manufacturers of WIRE DESIGNS

Consignments Solicited.

Phone Main 974

457 Milwaukee St., MILWAUKEE.

Strings 8 to 10 feet long.

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

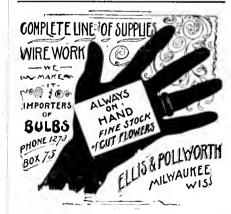
### Wholesale Flower Markets

| Cincinnati, April 28.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Marguerites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lily of the valley 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ST. LOUIS, April 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Violets, California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| MILWAUKEE, April 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| " Brides Bridesmaids " Was 5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Sweet peas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sweet peas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Lily of the valley 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Marguernes, write                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Callas, Harristi s (a)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Callas, Harristi s (a)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calins, Harrisi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calins, Harrisi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calins   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calins   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Callas   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calins. Harrisi         8,00           Smilax         15 (n)           Adiantum         75 m         1,00           Adiantum         75 m         1,00           Adiantum         BUFFALO, April 28.           Roses, Beantles         10,00@ 40         00           " Brides, Bridesmaids, Meteors         4 0.0@ 8,00         00         5 00           " Perles         3 00@ 5,00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00 |
| Calles   Harrisi   S   00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calins. Harrisi         8,00           Smilax         15 (n)           Adiantum         75 m         1,00           Adiantum         75 m         1,00           Adiantum         BUFFALO, April 28.           Roses, Beantles         10,00@ 40         00           " Brides, Bridesmaids, Meteors         4 0.0@ 8,00         00         5 00           " Perles         3 00@ 5,00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00         5 00 |

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### Wholesale Flower Markets

| Roses   Reauties   per duz. 1.50@3.00     Brides   2 00@ 4 00     Meters   Bridesmalds   Kalserin   2 00@ 4.00     Meters   Bridesmalds   Kalserin   2 00@ 3.00     La France   Testout   3.00@ 5.00     Carnations common   50 a 1.50     Fancy   2 00@ 5 00     Violets   4 00@ 5 00     Narcissus   Poeticus   4 00@ 5 00     Harrish   Callas   4 00@ 5 00     Harrish   Callas   4 00@ 5 00     Tulips   1 00@ 5 00     Tulips   1 00@ 5 00     Hyacinths   2 00@ 1 00     Hyacinths   2 00@ 1 00     Sweet peas   50 4 1.00     Hyacinths   50 00     Hyacinth   | CHICAGO, April 29.                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Brides   2 1006 4 00     Meteors, Bridesmalds, Kalserin   2 1006 4 00     Meteors   Bridesmalds   Color 4 00     Gontlers   2 006 4 3 00     La France   Testout   3 006 5 40     Carnations, common   50 a 1 50     Fancy   2 006 5 0     Violets   4 006 5 5     Narcissus Poeticus   4 006 5 5     Harrisli, Callas   4 006 5 0     Lily of the valley   4 006 5 0     Trilips   1 006 4 10     Sweet peas   50 4 1 0     Liyacinths   2 006 4 0     Adlantum   506 1 0     Smillax   10 006 5 5 0     Asparagus   40 006 5 5 0     Asparagus   40 006 5 5 0     Asparagus   40 006 5 5 0     Meteory   Color 5 00     Meteory   Color     | Roses, Reauties per duz, 1.50@3.00           |
| Meteors, Bridesmalds, Kalserin. 2,00% 4,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Brides                                       |
| " Gontlers. 2,006a 3,00  " La France. Testout 3,006a 5,10  Carnations, common 50 à 1,50  Violets. 466 75  Narcissus Poeticus 106 8 90  Harrisii, Callas 4,006 5 90  Tulips. 1,006 5 90  Tulips. 1,006 5 90  Lily of the valley 4,006 5 90  Lily of the valley 4,006 5 90  Tulips. 50 4 1,00  Sweet pens 50 4 1,00  Hyacinths 2,006 4,00  Smilax 10,006 75,00  Smilax 10,006 75,00  Smilax 10,006 75,00  Smilax 90,006 7  | " Meteurs, Bridesmalds, Kalserin, 2.00@ 4.00 |
| " La France. Testout 3.000 5.40 Carnations. common 510 1.50 Carnations. common 510 1.50 Carnations. common 510 1.50 Carnations. common 510 1.50 Carnations. Carnat | " Gontlers                                   |
| Carnations common     50 à 1.50       " fancy     2.00% 5 00       Violets     46%       Narcissus Preticus     50       Harristi, Callas     4.00% 8 00       Lily of the valley     4.00% 5 00       Tulips     1.00% 4 100       Sweet pens     50 4 1.00       Hyacinths     2.00% 4.00       Adlantum     50% 1.00       Smilax     10.00% 5.00       Asparagus     49.00% 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | " La France, Testout 3.00@ 5.00              |
| Tency   2.00% 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cornetions common                            |
| Violets.   40@ 75     Narcissus Preticus   50     Harrisii. Caliss   4 00@ 8 00     Lily of the valley   4 00@ 5 00     Tulips   1 00@ 4 00     Sweet pens   50 4 1 00     Hyacinths   2 000     Lyacinths   50     Lyacinths   1 0 00@ 15 00     Smilax   1 0 00@ 15 00     Asparagus   10 00@ 15 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | " fancy 2.00% 5 00                           |
| Narcissus Poeticus         50           Harrisli, Callas         4 00% 8 00           July of the valley         4.00% 5 00           Tulips         1.00% 4 100           Sweet pens         50 4 1.00           Hyacinths         2.01% 4 00           Adlantum         500 1.00           Smilax         10.00% 15.00           Asparagus         40.00% 75.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Violete .40@ .15                             |
| Harrisli, Callas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Narcissus Poeticus                           |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Harrish Callas 4 00@ 8 00                    |
| Tulips     1,006 4,100       Sweet pers     50 4 1,00       Hyacinths     2,006 4,00       Adlantum     500 1,00       Smillax     10,006 15,00       Asparagus     40,006 75,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lily of the valley 4.00@ 5.00                |
| Sweet pens         50 a 1.00           HyacInths         2.006 a 4.00           HyacInths         2.006 a 4.00           Smilax         10.00@15.00           Asparagus         49.00@75.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Tniins 1.00@ 4.00                            |
| Hyacinths   2.0462 4.00   Adlantm   5069 1.00   Smilax   10.002 15.00   Asparagus   40.002 75.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Street ness 50 a 1.00                        |
| Adiantum 5,90% 1.00<br>Smilax 10.00% 15.00<br>Asparagus 10.00% 75.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hyacintha 2 00@ 4.00                         |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Adjentum                                     |
| Asparagus 40.00@75.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Smile v 10.00@ 15.00                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A a pare (7)19 \$0.00@75 00                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pansles                                      |

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We have an extra selected stock of the following Rose Plants Will guarantee them to be as fine as any grown Per 1000 Per 1000

| American Beauty2164n. | pot, \$5 | 00 | \$40 GH |
|-----------------------|----------|----|---------|
| Brides '              |          | £0 | 25.00   |
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| Kaiserin              | 4 3      | 50 | 30.00   |
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|                       |          |    |         |

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### ROOTED ROSE CUTTINGS

And the state of t

| Per 100 | Per 1000 |

#### ROSE PLANTS

|              |       | oti | 10 | r | 91 | ۷, | ı. | 11 | 11 | c | h |    | н | 31 | 8 | ١, |   |   | ı | pi | Θľ | . 1 | Ю  | )  | per 1000 |
|--------------|-------|-----|----|---|----|----|----|----|----|---|---|----|---|----|---|----|---|---|---|----|----|-----|----|----|----------|
| American     | Beaut | y.  |    |   |    |    | ,  |    |    |   |   | ĺ, |   |    |   |    |   |   |   |    | 8  | Ď,  | 11 | 1  | \$15,110 |
| Meteor       |       |     |    |   |    |    |    |    |    |   |   |    |   |    |   |    |   | Ċ |   |    |    | 3   | Uk | (I | 25.00    |
| Bridg.       |       |     |    |   |    |    |    |    |    |   |   |    |   |    |   |    |   |   |   |    |    |     |    |    |          |
| Bridesmale   |       |     |    |   |    |    |    |    |    |   |   |    |   |    |   |    |   |   |   |    |    |     |    |    |          |
| La France.   |       |     |    |   |    |    |    | i  | ì  |   | ì | ١. |   | ì  |   |    | ì |   | i | Ċ  | ì  | 2   | 3  | a  | 22,50    |
| Katserin     |       |     |    |   |    |    |    |    |    |   |   |    |   |    |   |    |   |   |   |    |    |     |    |    |          |
| selle Such   |       |     |    |   |    |    |    |    |    |   |   |    |   |    |   |    |   |   |   |    |    |     |    |    |          |
| Smillion pia | nts   |     |    |   |    |    |    |    |    |   |   |    |   |    |   |    |   |   |   |    |    |     | () |    |          |

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OUT OF BLACK SOIL.

|                |  | Deal, 1001 h | 850 F. 5131 F9 |
|----------------|--|--------------|----------------|
| Wns. Scott     |  | \$2.50       | § (1 (1)       |
| McGownii       |  | 2 .11        | 20 OF          |
| Kobbioor       |  | 3.20         | 20,00          |
| ian y foresik  |  | . 2.50       | 201-000        |
| derio Gillhort |  | 1250         | 20,00          |
| Smnox W cher   |  | 2 50         | 20 00          |
| io difech      |  | 2.59         | 20.00          |
| Bridesmaid     |  | 2.50         | 20.00          |
| Inbliec .      |  | 5.00         | 10,00          |
| Flora IIII .   |  | <br>5,00     | 10,00          |
| Mayor Plugue - |  | <br>5.00     | 4H) [H)        |

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### Wholesale Flower Markets

| NEW YORK, April 26.                                                  |
|----------------------------------------------------------------------|
| Roses, Beauties, Hybrids 4 00@ 12 00                                 |
| Jacqs 4.00@ 8.00<br>Bridesmaids, Testout, Carnot. 50@ 4.00           |
| " Bridesmaids, Testout, Carnot 50@ 4 00                              |
| " Morgans, Meteor                                                    |
| Carnations 1 00 @ 2 00                                               |
| Lily of the valley 1 00% 2.00                                        |
| Lily of the valley                                                   |
| Daffodils, Tulips                                                    |
| Violets                                                              |
| Harrisii, Calias 1.00@ 2 50                                          |
| Smtlax                                                               |
| Asparagus 40.00@50.00                                                |
| •                                                                    |
| BOSTON, April 27.                                                    |
| Roses, Besutles, Brunners 5.00@15.00                                 |
| " Morgan, Meteor 1 00@ 4 00                                          |
| " Brides, Bridesmaids, Carnot 1 00@ 4 00                             |
| Carnations 1.00 & 1 50                                               |
| fancy 1.50@ 2.00<br>Lily of the valley, Daffodils, Tulips 1.00@ 2.00 |
| Lily of the valley, Daffodils, Tulips 1,00@ 2.00                     |
| Violets                                                              |
| Harristi, Callas                                                     |
| Arnaragus 50 00                                                      |
| Smilax                                                               |
| PHILADELPHIA April 27.                                               |
| Roses, Beauties, select, per dozen1.00                               |
| medium                                                               |
| " Brunners                                                           |
| " Teas                                                               |
|                                                                      |
| Carnations                                                           |
| Thy of the valley, Narcissus 5 000 1.00                              |
| Violets 50 @ 75<br>Hyscinths 2.60 @ 3.00                             |
| Harrisii                                                             |
| Financia ness                                                        |
| Sweet peas                                                           |
| Smitax 12.00@ 10 00                                                  |
|                                                                      |

### 1612-14-16 LUDLOW ST. PHILADELPHIA, PA

### John I. Raynor,

49 WEST 28th STREET.

NEW YORK.

SPECIAL EXTRA STOCK OF

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**Record Breaking Carnations** ALL THE YEAR ROUND.

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WALTER F. SHERIDAN. WHOLESALE

#### ORIST.

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

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Edward C. Horan. 34 W. 29th Street, NEW YORK.

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ed separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

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#### The Paeony Symposium.

At the next regular meeting of the Florists' Club of Philadelphia, to be held on Tuesday next. May 3rd, the subject for the symposium will be "Paonies," and Joseph Heacockis down on the cards to open the discussion. Paronies are attracting more attention at the present than they did at one time; this applies both for outdoor decoration as hardy plants and as cut flowers for the city florists.

The committee on subjects for essays had hoped that owing to the apparent earliness of the season a creditable exhibition would be held in conjunction with the symposium; but the change in the weather since last meeting has decided that it cannot be, except that possibly there may be a few flowers of P. tennifolia and P. Montan. Since the last meeting of the club, we have had several degrees of frost hereabouts, and as many of the tree piconies are quite precocious, some having made six inches of growth at the time they were badly nipped, though not killed, the ragged appearance of the foliage will, it is to be leared, cause many of the flowers to come crippled.

paeonia show, it was fondly hoped, could be made a feature, for there are some varied and valuable collections of these hardy flowering plants in Philadelphia and vicinity. It is to be hoped that if the show is not well patronized this year it will point the way to a better one next year. I recently saw a block of several hundred plants of the tree paronia in over fitty varieties; this is the second year after planting, and most of them are well set with flowering buds. It will be interesting to examine them when they commence to bloom, though it will require exhibitions in all the large cities to make them as thoroughly popular as they deserve to be. E. D. W.

A COMMITTEE has been formed with a view to securing funds for the erection, at Brussels, Belgium, of a monument to Jean Linden, botanist and explorer. Conte de Kerchove is president; M. Kegeljan, treasurer, and M. Lubbers, sycretary. Botanists and horticulturists throughout the world are invited to cooperate in the movement, and subscriptions should be addressed to M. Kegeljan, president of the Royal Horticultural Society of Namur, Belgium, in the form of postal orders, payable at Namur.

GRAND RAPHS, MICH. Albert, H. Rogers, formerly florist at the Lansing Industrial school, died at his home here.

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#### Helpful Reminders.

At this time, being busy waiting on customers, you are apt to be so economical as to employ no help and neglect stock which you will need later on. Your chrysantheniums in 3-inch pots may be suffering for lack of root room and nutri-Be careful in repotting to get your broken pots for drainage curved side up. I find many put them in because others do and appear to exercise no judgment about securing perfect drainage. Hoya carnosa, the old-fashioned wax plant, is always pleasing, and this is a good time to make two or three layers for next season's sales. You never want a large stock, but cannot afford to be without a few, so cut off a few leaves and bury the stems in a small pot of light soil in a moderately warm situation.

Many plants requiring a shift that you cannot give promptly are benefited by putting a little sheep manure on the surface of their pots. A great number of plants can be gone over in an hour and many may be saved in this way.

All geraniums should have their last shift before now. No cuttings should be taken from plants you wish to sell. Don't crowd. Plants of Lilium lancifolium and L. auratum that were potted in February should be brought to light now. If you have none, they can still be had, but will be a trifle later. A few clumps of eulalia or Arundo Donax should be started to cut with the lily flowers as there is nothing like choice grass foliage to help out lilies and gladiolus. Give a few teet of bench room to pink and white asters if you can, as a small lot always comes in well for early erop. Smilax seed should be sown now for July or August planting. A second batch of Asparagus tenuissimus plumosus, A. Sprengerii and Grevillea robusta should be sown now, as it is stock which you will always be using and you must keep a few batches growing on.

You are having inquiry about clematis for outside planting now and perhaps customers complain of the number they have planted and lost. You cannot afford to let such a state of affairs exist with a customer. Take ten minutes to explain that the trouble is that they set their elematis at the side of a house where it gets little or no rain but gets the natural amount of sun besides that which is reflected from the wall. Probably they are on top of a lot of rubbish, brick-bats and lime filled in when the house was built. Give the dissatisfied customer a plant and tell him to place it according to directions and if satisfied with results by September to come in and pay for it.

Tell your customer to dig a trench four feet out from the wall; have it one foot wide and three feet deep; put tile or board spout in the trench at end furthest from wall; put in one foot of curf with some old manure; then fill up with loam; plant the root as usual next to the house; fill in the trench quite full, keep water running in the spout or tile at the end of the trench all the time you are filling but never wet the surface; when the earth becomes dry again, pour in more water in the same way; it will take at least a half barrel to do it thoroughly. Have a good wire trellis put up, and by fall you will find that the roots have extended as far as the trench was dug away from the building and quite as deep, so that the plant will not suffer with dry heat or lack of moisture. You will soon see the result of this care as your customer will be de-lighted and will help to advertise you. When you have a customer who is annoved by a neighbor's window and wishes it could be screened without a fence, set out a small Lombardy poplar; at its base plant a bitter sweet vine and Clematis paniculata. Feed well and the window will be hidden by a mass of vines in two seasons.

Pæonies outside should be cleaned, soil loosened and a top dressing given them at once. The same is true of candidum C. B. W.

#### Catalogues Received.

Robert Craig & Son, Philadelphia, Pa., Hancock & Son, Prinadelpina, Pa., plants; Geo. Hancock & Son, Grand Haven, Mich., rooted cuttings; James Galen, Bethesda, Pa., plants, shrubs and seeds; Pierce, Butler & Pierce Mfg. Co., Syracuse, N. V., heaters; H. Cannell & Sons, Kent, England, plants; Hærens Brothers, Somergem, near Ghent, Belgigm, allerted gium, plants.

Genoa Junction, Ill.—Adam Berger is now in charge of Frank Buell's gardens, Mr. Buell having assumed a position in the leading greenhouses at Rockford.

YONKERS, N. Y.-J. R. Paul formerly superintendent of the Stokes estate at Lenox, Mass., will take charge of M. B. Parr's place here on May 1.

WILMINGTON, DEL.—The greenhouses and nurseries of De Vocht & De Wilde, in South Wilmington, have been seized by the sheriff, on a claim for \$5,000, held by various persons.

#### N. Dames

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Cincago,-Visitors: F. Barteldes; R. Cinicago, Historis, F., Barteloes, R., Nicholson, manager Texas Seed & Floral Company, Dallas, Tex.; W. W. Tracy, Detroit, Mich.; A. J. Brown, Grand Detroit, Mich. Rapids, Mich.

BEAN contracts are now being made with farmers in the bean growing districts with difficulty, by reason of the sharp advance in price of Navy beans under the war excitement; farmers are holding off in view of making the common field crops more profitable.

California reports under recent date only continue to confirm what we have already noted in these columns concerning the drought, and continued poor outlook for 1898 crops there. Some varieties of sweet peas will probably be very short, as well as some kinds of onions.

Minneapolis.—Business in the mail seed trade has shown an upward tendency for the past week or ten days with scarcely a warble from blue jay and robin red-breast, harbingers of early spring, which is soothing medicine to the nervous mail seedsman. We, in the Northwest, still hope for a reasonable total spring business with profit enough to at least take a trip to St. Paul this summer to help Brother May clip coupons and spend his surplus profit. From present reports he appears to be the only occupant of the front seat of the band wagon. Latest news from the front this, Monday, morning, April 25: First two mails show 25% increase over Monday, April 18 and 11. Let us take courage, boys, but not "holler" until we are out of the woods. This reminds me that our mutual friend, Burpee, some-times takes to the woods when business has had a downward tendency, and I wonder if such is the case with him now. S. Y. H.

#### Steam Heated Hotbeds.

All the directions for heating hotbeds by steam which the writer has seen state positively that an air space must be left around the pipes, and necessitate somewhat expensive construction. The writer has operated two 100-foot hotheds through several seasons in a much simpler way and to his entire satisfac-

Three trenches are dug, 2 feet apart and s inches deep, of course carefully graded. In these are laid three runs of 1inch pipes, it to be used more than one season the pipe should be galvanized and arranged so as to be disconnected and carefully drained in the fall when not in ase. The trenches are then filled up and the soil carefully tamped into them. Ordinary both dtrames of 112 incluboards 12 melers of course bettern, 6 teet wide and set on the ground, over the pipes, so that the outer pipes will be 1 foot inside the edge of the frames. The frames are banked up outside with litter, or even soil, the planting soil or plunging mat eral is put in the frames, the sashes put in and steam turned on. In a few hours the led is ready for the plants

When the thermometers indicate a proper soil to operature steam is shut off and the beds will run for a number of hours. It would be we'll for the beginner to run the beds a couple of days, turning

the steam on and off as the temperature changes, and noting the time which it takes to heat up the soil and the length of time the bed will go without steam. After this information is obtained there is very little trouble-much less than one would suppose. Sufficient water must be used so that the beds do not be be-come dry underneath. Of course the man who occasionally "forgets all about can not be trusted to handle such beds and a night fireman is a necessity.

TENT CATERPILLARS are reported by Mr. Murhland, of the New Hampshire Agricultural Experiment Station, as readily attacking the foliage of roses. Spraying with Paris green is recommendate. mended.

BROCKTON, MASS.—On Tuesday evening last Mr. John Farquhar delivered his lecture upon "Bulb Growing in Holland and Plant Life in Jamaica," before the Brockton Florists' Club. A very large audience was in attendance and enjoyed the lecture thoroughly.

FAIRFIELD, ME -The Fairfield Floral Company is having trouble with the postal authorities despite the fact that when an inspector recently examined the firm's methods he stated that he found them legitimate. The case has been taken to the United States court at Portland.



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Clifton Springs. IN. Y. HUNEY

#### Milwaukee.

NEED OF AN HORTICULTURAL SOCIETY TO SEE THAT THE PUBLIC GETS ITS MONEY'S WORTH IN THE PARKS.—NOTES.

The need of a strong horticultural society here is more apparent than ever since the daily papers have made the state of affairs regarding the management of public parks quite prominent. Since Mr. Pettigrew resigned as superintendent of the public parks, Milwaukee has been without an official to exercise professional supervision over the annual expenditure of \$60,000. One of the commissioners who is credited with having caused Mr. Pettigrew's resignation has taken upon himself the duties, and, although the superintendent's salary has been saved, it is claimed to be 'penny wise and pound foolish.' People of ex-perience see how both time and money are wasted, and it appears that one commissioner has come to realize the situa-tion. This branch of our municipal affairs should have the supervision of a horticultural society to back up men of worth and keep the public posted, much the same as the School Alliance does in a number of cities. A \$20,000 plant of conservatories is soon to be erected in Mitchell Park.

Frank Dilger has a sport of Daybreak carnation a trifle darker than is usual from which he will propagate and improve his crop for next season.

It is quite safe to say that Ben. Greg ory's house of Daybreaks and Blanche Ferry sweet peas is as perfect a lot of pink as has been seen in this locality.

It appears to be fashionable now-a-days to offer one's place for sale on "account of failing health." One grower in this state who did this had calculated on forming a partnership and taking up the Blue Mound establishment to improve his health. As the opportunity was seized by another party he will re-cuperate where he is.

Narcissus princeps, outside grown, and trailing arbutus are in market, and amaryllis, iris and Bride gladiolus are shown in windows.

Chas. Baumgarden has opened a stand Chas. Baumgaruen nas open with Gregg Bros., on Van Buren street. C. B. W.

#### Summer Treatment of Azaleas.

ED. AM. FLORIST:- l have had some azaleas for two years, and now wish to know what to do with them. Can you kindly advise me as to their treatment?

The proper time to pot azaleas is after they are through flowering. Having accomplished their work in the show Having houses, they are one by one put under the bench-but not left to dry, which would mean the loss of the plants-until a space in the hotbed is made vacant by the removal of bedding plants to their sta-tionary quarters. They are now potted, using a mixture of peat (if on hand), leaf mold, decomposed sod and sand in almost equal parts. In potting we are not afraid of packing the soil solid with a piece of wood in the shape of a table knife and about one-fourth of an inch thick. This will prevent the water from draining through the newly added soil without first soaking the solid ball of fibrous roots. A liberal amount of drainage material should be placed in the bottom of the pots. After potting the plants are plunged to the rim in the hotbed and a shade, consisting of laths about one inch apart, placed over them. This shade is put on a frame nailed to the hotbed but can be elevated to any desirable height. We use

the hotbeds because the plants are here more easily attended to than in some isolated place, otherwise the north side of a house would be just as desirable. Azaleas need plenty of water during the growing season, and I think this is the main point if success is desired. Once dry they will never recuperate. As soon as cool weather sets in they are placed in a greenhouse with a temperature of from 45° to 50° until they commence to bloom, when they are removed to the show houses. obtain a few plants at an earlier season, they should be gradually inured to a temperature of from 60° to 65°. The same treatment is given to rhododendrons and camellias. J. JENSEN.

HINCKLEY, ILL.-Mrs. Partridge, being about to remove to Chicago, has leased her greenhouse to John Gustalson

#### A New Asparagus.

In addition to the well-known nanus, another form of Asparagus plumosus has now appeared, and is grown by Mr. T. Jannoch, at Dershingham, near King's Lynn. The new variety, called cristatus, has deep green branches, somewhat more densely clothed with verticillate clusters than the ordinary A. plumosus. The chief charm of the plant, however, consists in the main rachis being several times divided toward the tip, then producing a beautiful cresting after the style of the crested varieties of l'teris serrulata cristata, only, of course, much finer and more graceful in appearance. In addition to the crested peculiarity it may be added that the plant is not a climber, so that if grown in pots it should prove very attractive and a great acquisition.-The Garden.



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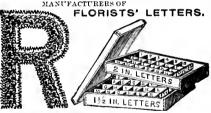
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| PHILADELPHIA, glowing erimson            | 15    | 00   |
| CHAMPION, largest, glowing searlet \$5   | 00 ea | u-h  |
| KLONDIKE, only large pure orange 32      | 50    |      |
| Send for complete list of 50 novelties a | and : | 200  |
| standard varieties at lowest prices.     |       |      |
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#### OUR CANNAS IN FRANCE.

OUR CANNAG II.

To Mearra & Blanc & Co.
Your new cannas of last year gave me much
satisfaction. Please seed me a complete set of
your nevelties for lists in soon as ready. Also 12
Glant Crimson, etc. Signed CH MOLIN,
Lyon France, Jan 3, 188

#### ARAGUS SPRENGERI

Fine plants in winch pots, ready for winch \$5 per 12

AMARYLLIS....
Velteh's Hybrids \$1 per 12: Equestra, \$1 per 10); Formoslashna \$5 per 10).

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Spotted Lenf. El: Black, El: Yellow, Ell; all per litt. Golden, & each.

DAHLIAS

all prizes out of 22 at the last Dahila exhibition. First prize Dahila, Gatt. LDG E. El5 per 100 send for special list.

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**QEFORE** ordering Dutch Bulbs ask D our quotations. Our stock enables us to make good offers. Address letters until May 15th to

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Care KNAUTH, NACHOD & KUHNE,

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HYACINTHS, TULIPS, CROCUS, DAFFODILS, AND OTHER BULBS. ALSO SHRUBS AND PLANTS.

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STITIAL Growers and Exporters of Va-lens Patins Aronearins and other decorative plants take pleasure to inform you that their Mir Avia, Havia Se is now on his animal visit through the United States. The stock he offers is numerise of hest quality andral most reasonable prices their Sew Araboas will be the layorites of the luture. Write for price list and special offer until May 10th.

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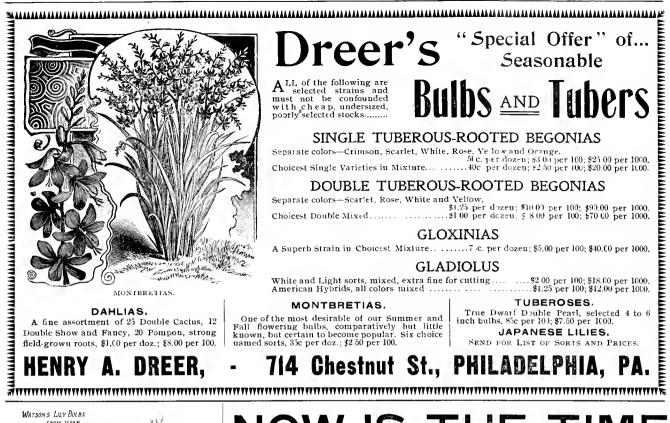
AND PLANTS FOR AMERICAN MARKET. Ask for Wholesale Prices,

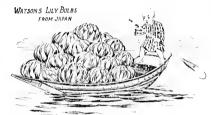
We will stay in America until May 14th. Please address letters to

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LONGIFLORIUM DURF STOCK SOUND AND WELL RIPENED.

On account of the scarcity of the larger sizes of JAPAN LONGI-FLORUM and the large demand for same this season I have to request that orders be booked EARLY to avoid disappointment. I offer 3 sizes namely: 5-7, 7-9 and 9-10 inches, but can only accept orders for the larger sizes when fair proportion of the smaller is taken. Delivery Sept. 25 to Oct. 15, 1898. Would be pleased also to get your general order for other Forcing Bulbs and Roots at same time. Address all orders and correspondence to Juniper and Walnut Sts., Philadelphia.

G. C. WATSON.

For FLORISTS... For SEEDSMEN.

VAN ZANTEN BROTHERS, HILLEGOM, HOLLAND.

### JAPAN LILIUM LONGIFLORUM

Our "Easter" Brand has a reputation. This stock will be none too pleuty this year and we believe prices will advance before time of delivery. We can make favorable rates NOW. A card stating probable quantity required will start quotations.

#### SURPLUS BARGAINS

A limited surplus of the following bulbs. We make prices low to close out. Quality guarauteed.....

#### Tuberoses...

|                                                   | Per 1000       |
|---------------------------------------------------|----------------|
| Dwarf Excelsior Pearl, strictly first size \$ .75 | <b>\$</b> 7.50 |
| 3000 for \$19.00.<br>Second size                  | 3.50           |
| Tall Double, first size                           | 6.50<br>10 00  |

#### Speciosum Lilies...

|           |        |    | Per 100 | Per IOO |
|-----------|--------|----|---------|---------|
| Album     | 7-9 ir | ch | 84.50   | 840,00  |
| 14        | 9 11   |    | 5 50    | 50,00   |
| 44        | 11-13  |    | 7 50    | 70,00   |
| Rubrum    | 6.8    |    | 2.25    | 20.00   |
| 6.6       | 7.9    |    | 3 f0    | SO 00   |
| Melpomeue | 7.9    |    | 3.50    | 30,00   |



#### SPOTTED LEAF CALLA

Per 100, \$2.50 Per 1000, \$20.00.

### C. ESCULENTUM

|   |   |   |     |     |     |     |    |     |     |    |    |    |     |   |  |      |  |   | 11  | W.    |  |
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BEGONIAS, GLOXINIAS, Etc.

#### VAUGHAN'S SEED STORE.

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Headquarters for FANCY BULB STOCK AT REASONABLE PRICES.

### THE AMERICAN FLORIST COMPANY'S DIRECTOR

AMERICAN FLORIST COMPANY, 324 Dearborn Street, CHICAGO.

#### Coming Exhibitions.

We are in receipt of the advance pre-mium list of the twelfth annual chrysananthemum show and floral festival of the State Florists' Association of Indiana, to be held at Tomlinson's Hall, Indianapolis, Indianapolis, Ind., Nov. S. 9, 10, 11 and 12, 1898. Secretary, R. A. McKeand, Garfield Park. Indianapolis, Ind.

The preliminary list of the premiums to be offered at the eighth annual chrysanthemum exhibition of the St. Louis Florists' Club has come to hand. The exhibition will be held at the Coliseum November 14, 15, 16, 17 and 18, 1898. Secretary, Emil Schray, 4101 Pennsylvania avenue, St. Louis, Mo.

From Frankfort-on-Main we have reecived the programme of the great rose show to be held there from June to September of the present year.

Syracuse, N. Y.—The Central New York Horticultural Society gave its fourth complimentary lecture to its members and friends on the evening of April The address was by Edward A. Powell, who discussed "Plant Life in the Park, the Garden and the Home.

SACO, ME.-Alonzo Hill has gone into insolvency. A meeting of creditors to prove claims and choose an assiguee will be held at the Probate Court Room in Alfred on May 4.

# ROBT. CRAIG & SON ROSES, Palms and Novelties in Decorative Plant

Market and 49th Street, PHILADELPHIA, PA. 

### Rose Hill Nurseries

LARGEST Growers of Palms, Orchids, Stove and Greenhouse plants, Ferns, Arancarias, Pandanus, ...

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### Just Arrived

IN FINE CONDITION

Odontoglossum Crispum, Miltonia Roczlii, Cattleya Chocoensis, Cattley Labiata, Oncidium Varicosum Rogersii.

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### Begonias

The most complete collection in America. Nice 21g in, stock 85,00 per limidred.

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Fresh Seeds of Kentia Behnorcana and Forsteriana by the ease of 5000 Seeds received direct from Australia. Price \$17.50 net eash, F. O. B. New York. Prices for large quantities on application.....

#### Australian Palm Seed Co.

ROOM 52. 🚜 🧀

90 Nassau Street, NEW YORK.

### Asparagus Sprengerii

For another week (before potting up) we offer small dormant 1-year roots a \$5.00 per 100. These bulbs will quickly make strong 2½-inch pot plants.

Ficus Elastica, true, large leaf variety, 6-inc<sup>5</sup> bots, 20 mehes high @ 50c each.

Crimson Rambler Roses, extra line, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00; per 100, \$15.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb. @ 15c per lb.

a 15e per lb.
 Clothilde Soupert, the great pot rose, our stock is A No. 1, 2-in. (a \$5.00; 2<sup>1</sup>e-in. (a \$4.00; 3-in. (a \$6.00; 3<sup>1</sup>e-in. (a \$9.00 per 100.
 Dahlias, 2<sup>1</sup>e-in. pot plants, in named varieties, per 100, \$5.00.

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz., \$1.50; per 100, \$12.00.

For Cannas, Carnations, Chrysanthemums, send us your list; we have all kinds.

H. P. Roses, dormant, 2-year, extra line stock of \$12.00 per 100.

Clematis, Ampelopsis Veitchi, Hollyhocks, Paonies, Hydrangeas P. G., etc. we have in large quantities; write us for prices.

#### VAUGHAN'S SEED STORE,

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#### Crotons...

\_\_\_IN VARIETY

Rothschild, Hawker: Interruptum, Evansianum, Rubra Lineata, Andreanum, Aurea Machalium and others, santable for bedding. Fine plants in 3-inch pots, \$2.00 per doz. New and rare varieties, 50 cents each.

Aurea Machalium, extra fine plants in 4-in, pots \$250 per doz. \$15 per 100; 3-inch pot plants \$20 per doz.; \$12 per 100, (humb pots, \$1 per doz.; \$6 per 100.

#### Edwin Lonsdale,

Money Order Office Station II Phila

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CHESTNUL BIRT.

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3.50

#### FOR HERE WE ARE 4 Weeks FIRST COME, FIRST SERVED.

FUCHSIAS in assorted varieties, double single, fin HIBISCUS in assortment, single and double,

JESSAMINE Grandlitora, To the Grandlitora, The the Grandlitora, The the Grandlitora, The the Grandlitora, Th Rhynchospermum Jasminoides, 2 ln

SMILAX, good strong plants 2 in 2000 MOON VINES, strong plants, 24n-

NANZ & NEUNER. LOUISVILLE, KY.



J. L. SCHILLER

NEW YORK CITY. 404 E. 34th St., Please mention American Florist.

#### STRONG STOCK TO POT ON NOW. JOHN H. LEY,

GOOD HOPE, - WASHINGTON, D. C.

D HOPE, - WASHINGTON Offers clean well rooted plants as below:
Per 100, \$25,00

DOUBLE PETUNIA, Dreer's strain, strong......\$2.50

RUSSELIA JUNCEA, 21/2-in., strong 3.00 AMPELOPSIS VEITCHII, 2½-in.....

PALM Latania Borbonica, 23/-inch,

3 to 4 leaves, per 1000, \$40.00, 4.50

THOS. A. McBETH, Springfield, O.

#### CAN YOU USE ANY

Latania Borbonica in 1-in pots at Kentia Belmoricana in 1-in, pots at 30 cents each. Cocos Weddeliana in 3 in, pots at 20 cents each. Vincas, fine plants. 8 cents each. 8 cents each. 

8 cents each.

#### THE F. R. WILLIAMS CO. WHOLESALE FLORISTS AND SHIPPERS OF CUT FLOWERS

60 Huron Street, -CLEVELAND, O.

ARTHUR DE MEYER, Nurseryman, Mont St. Amand, Chent, Belgium.

#### Spring and Fall Heating for Roses.

C. R., Park Ridge, Ill., asks for information that will enable him to put in a small steam plant to be used spring and fall principally, not so much for the purpose of heating, I take it, as to be able to utilize the pipes to keep down mildew, which he has difficulty in doing at the

present. If to be used only for raising fumes from the sulphur, and to give a little heat in very mild weather, in place of keeping fires in the hot water boilers, two 114-inch pipes to each house would serve the purpose. Place them under the benches, one on each side of the house, convenient to the walks. If conditions permit have a continuous fall in the pipe from the steam main to the place where it connects with the drip. Should the grade of the house render this impracticable the flow pipe may be laid on the up-grade, and the return on the down. In that case, however, the flow must have a connection at its lowest point with the main return pipe to drain off all condensation. It is understood, of course, that the boiler is located at the lowest end of the greenhouses.

For a plant of eight houses, each 18x 100 feet, the main steam pipe need not be larger at the boiler than 212 inches, and should be gradually reduced as it nears the end of the range. It is advisable to have the main carried overhead in the shed, well up above the greenhouse doors and to cover it with asbestos or some other material to prevent unnecessary waste of heat and, of course, condensation. The main drip pipe may be 2-inch, and should be laid below the water line of the boiler.

A boiler of twenty-five horse-power would furnish sufficient steam for the range in question, though it is always economy to have at the start a surplus of heating capacity, and not risk a shortage. A horizontal, return tubular boiler is a better style for greenhouse heating than an upright boiler, as with it less heat goes to waste, and it is more desirable in other ways. To get the water back easily by gravity the boiler must be set low. If possible, the water line should be five feet below the lowest level of cir-ROBT. SIMPSON. culating pipes.

Ix a recent bulletin of the l'urduc University Agricultural Experiment Station on the indoor culture of lettuce Prof. Arthur states that no good effects were obtained by adding chemical fertilizers, such as muriate of potash, sulphate of ammonia and dissolved bone black, to a soil already made rich with an abundance of stable manure. It should be remembered, however, that lettuce is a quick growing crop, occupying the soil but a short time and results from trials with lettuce may not be comparable, in many respects, with florists' crops occupying the benches for a much longer time.

TACOMA, WASH.-J. E. Baker, State Commissioner of Horticulture, has notified the Department of Agriculture at Washington of discrimination against nursery stock consigned from the United States to British Columbia. No complaints of infection have been made, but all recent shipments have been turned back. Mr. Baker asks that steps be at once taken to remove the prohibition and recommends that nurserymen withhold for a timeshipment of orders from British Columbia.

It is good business policy to mention the American Florist when you write to our advertisers

#### 60.000 OSES FORCING **ROSES**

PRIME STOCK ONLY.

The Bride....

| Bridesmaid<br>Mme. Chatteneaux                                                                                                         | } \$2.50 per | 100; | <b>₹20</b>       | per | 1000 |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------|------|------------------|-----|------|
| Perle des Jardins Meteor La France Duchess of Albany Kaiserin Victoria Niphetos Papa Gontier Climbing Perle Clothilde Soupert Mossella | \$3.50 per   | 100; | <del>\$</del> 30 | per | 1000 |

American Beanties.... \$5.00 per 100; \$45 per 1000

Send for our wholesale price list of all home-grown stock. Palms, Ferns, Decorative Plants, Etc. . . .

### J. B. HEISS,

The Exotic Nurseries.

115 So. Main St., DAYTON, OHIO.

#### **NEW FORCING ROSE** MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, bads very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 21/2-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

#### H. WEBER & SONS. Oakland. Md.

### ROSES OWN ROOTS DORMANT

FIELD GROWN

#### IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals.
Mosses, Hardy Climbers
and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

#### W. F. HEIKES, Manager,

1308-1310 Unity Bldg., - CHICAGO, ILLS.

#### ROSES..

2-in. per 100 3-in. per 100 5... \$5.00 Am. Beauties . . Perle . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

#### Memorial Kose

(Rosa Wichuriana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON,

MORRISVILLE, Bucks Co., PA.

#### Roses Per 1(0. Per 1(0. 3-in. 4 in. pots 87 (0) \$9.0) Am. Beauties......\$5 00 \$7.00 Brides..... 2.50 4 00 Bridesmaid..... 2 50 4.00 Perles... 2.50 4.00 Meteors.

#### Allen & Ockerlund.

114 Winona Ave.,

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#### ROSES

METEORS.... BRIDESMAID BRIDE.....

Pots 100 Pots 100 2½ \$2.50 3 \$3.50

Guaranteed first-class. Stock grown in low temperature

THE E. HIPPARO CO., Youngstown, Ohio.

### 300,000 YOUNG ROSES 300.000

Ramblers, Climb, Malmaison, Climb, White Pet, Climb. Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers. Send for prices. Moon Vines, \$2 50 per 100. Rose Geraniums, \$2 50 per 100.

The National Plant Company, Dayton, Ohio.

I have a nice stock for early planting; 3-in.

planting; 3-in, pots, \$6.00 per 100; 4-in, pots, \$6.00 per 100; 4-in, pots, extra strong, \$10.00 per 100; a few 5-in, \$13.00 per 100. California Violets, extra large clumps, \$5.00 per 100, will divide up into 10 to 15 plants. Austria Cannas, strong plants @ 2c.

W. W. COLES, Kokomo, Ind.

#### Write for Prices

of Beauties, Meteors, Belle Siebrecht, Perles, Maids and Brides in 2-inch: same varieties and La France and V Kaiserin in 3-inch. Smitax in 2-inch. If samples are wanted send 50c in stamps.

GEO. A. KUHL, - PEKIN, ILL.

FROM 2 I-2 INCH POTS.

Strong, thrifty, well established plants. General price \$4.00 per 100. Extra fine lot of Crimson Rambiers.

#### Jackson & Perkins Co. NEWARK, NEW YORK.

From 5 inch Pots at 3c. From 5 inch Pots at 3c. From 5 inch Pots at 3c. From 6 inch Pots at 3c. From 6 inch Pots at 3c. France. Constitution of the Alps. Louis (Idler, Clothlide Soupert, Julies Margotten, Packed free Clemants—Henry and Miss Bateman, the lessons large white sorts; fine, I and 2-year field-grown plants (10c. Clemants Virginia, sweet scented, small white dower, 2-year, rne, 5c.

W. H. SALTER, Rochester, N Y.

### Do You Plant Beauties?

Am. Beauties, 3 inch at \$5.00 per 100. Not cullings, but clean, strong, well grown stock and gnaranteed free from all disease.....

A. DONAGHUE, 108 S. 16th Street,

OMAHA, NEB.

FINE PLANTS from 3-inch pots, \$10.00 per 100; \$90.00 per 1000.

#### JOSEPH HEACOCK

#### Cement Tiles for Benches.

ED. AM. FLORIST:-How would cement tiles do for bench bottoms made in strips 18 inches wide by 3 feet long, with two iron rods running through the center the long way to give them strength? In using such a tile on the bench, it should have three supports, one at each end and one in the center. If more drainage is needed make several holes through the tile when the cement is soft. A tile of this character would be cheap, a barrel of cement making a long strip. It would be necessary to use a frame 18x36 inches inside measurement and two inches deep placed on a board a little wider and longer than the frame. The iron rods should then be placed in position and the frame filled with cement, turning out the tile when the cement sets. I do not think there would be much danger of the cement breaking with the strip of iron through it. Wood with me only lasts from two to three years, and it is not convenient to renew it at all times under roses, etc. Perhaps some one may have tried this and can speak from experience F. G. D. of its merits or demerits.

I have never used cement tiles made as described by "F. G. D." but it seems as if the method could be improved upon. the first place I would not use the iron rods, as they will be likely to weaken rather than strengthen the tiles. Any weight sufficient to break the tiles will bend the rods. If properly made, a tile of the size described will bear any ordinary weight without the rods; in fact. if made of good cement it would answer without a middle support. The latter might do as much harm as good if any of the supports should settle so as to beof line with the others, as the come out tiles would then be as likely to crack as though there was no middle support. My own choice would be to make the tiles square, measuring from eighteen to twenty-four inches on a side, according to the width of the benches. L. R. Taft.

ALBANY, N. Y.-The Court of Claims has awarded Siebrecht & Wadley, of New York city, 85,500 for injury to plants and shrubbery used at the New York state building at the World's Pair The firm asked damages of \$17,017.

AURORA, LLL.-W. R. Rees and J. A. Freeman, successful greenhouse owners and good aldermen, were last week reelected to the city council.

### NATHAN SMITH & SON

Wholesale Florists

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#### ROSES, VERBENAS, VIOLETS

200 per 100 130 per 100 10 00 per 100 to form a sea regited a formal 
Invariably at these prices.

Cann with Order. F. WALKER & CO.

Box 366, New Albany, Ind.

### lora Hill

20,000 at greatly reduced prices. Don't miss planting the best of all whites. &

### H. F. Littlefield

WORCESTER, MASS.

### **BONE FLOUR**

PRICE . \$1.75 per 100 lbs......\$30.00 per ton.

One of many testimonials:

Washington, D. C., April 4, '98. H. F. LITTLEFIELD, Dear Sir—I take pleasure in testifying to the excellence of your done Flour and I feel sure that I am indebted to its purity and responsive qualities for speciality and responsive qualities for speciality and responsive qualities. Jos. R. FREEMAN.

#### Chrysanthemum Mrs. A. F. Wienold

XXE claim this to be one of the grandest early whites yet sent out. Originated with us W 3 years ago and given a thorough test. It is earlier than Bergmann. Flowers 7 to 11 inches in diameter, is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2½-in. pots, 20c each; \$1.50 per doz.; \$10.00 per 100.

CAL. VIOLETS. No disease. Strong runners. 50s per 1000, \$4 per 1000. MCDONALD & STEELE, Crawfordsville, Ind,

### Ghrysanthemum

Yellow Sport of JEROME JONES.

It received the highest points and a Certificate of Merit at the Cleveland Chrysanthenium Show. It is in Yellow what Jerome Joses is amongst the White. The very best for late blooming.  $\mathfrak{L}_2$ -in. pot plants, strong,  $\mathfrak{L}_5$ 0 per doz.;  $\mathfrak{L}_5$ 00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

### CARNATIONS FROM

Kathleen Pantlind, \$10 per 100. . Flora Hill, \$5 per 100. Beauties, 2 1-2 in., \$6 per 100. Carnots, 2 1-2 in., \$4 per 100.

HOPP & LEMKE, Paul P. O. E. Grand Rapids, Mich.

ww TO ww

### Make Koo

THE MORRIS FLORAL CO., MORRIS, ILL.

#### REDUCED PRICES

### **Carnation Cuttings**

Taken from our "Prize" Stock.

ALASKA ALBERTINI HELEN KELLER ARMAZINDY DAYBREAK

£3.00 per 100, \$15.00 per 1000,

SOUTH PARK FLORAL CO., New Castle, Ind.

### New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evilon (Witterstaetter), Firefly (Hancock), Psyche (Hill), Panted Lady (Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

#### New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.

35e each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

50e each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35e each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Rendy January, 1898,

F. DORNER & SONS CO.

LATAYETTE, IND.

### CARNATIONS

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lazzie McGowan, Ivory, Silver Spray, Emily Pierson. Goldlinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices. Address.

#### CHAS. CHADWICK.

Lock Box II.

GRAND RAPIDS, MICH

#### Altoona, Pa.

A. A. Whithred's experience with his Harrisii is worth recording.
"I planted my Harrisii," he said, "in too batches; 500 for early forcing and 500 for Easter use. Those planted early were given a liberal dose of bone flour with the result that the plants were the poorest looking lot I have had in my place. The second lot, given nothing more than cow manure, came out in fine shape with but very few diseased plants. This experience will certainly be my guide during the coming season."

This is a very simple process, to be sure, and is another proof that at times the most complicated cases require but the

simplest of treatment.

Myers Bros. report the best Easter trade they have had for years. In addition to their store and greenhouses, they had a temporary place in the heart of the business center. It was a paying venture.

Mr. Whitbred is building an additional

rose house.

NEWPORT, R. I.—Articles of incorporation of the Newport Horticultural Society have been filed at the office of the Secretary of State.

> THE BEST OF THE NEW PINK **CARNATIONS**

#### Mrs. Frances Joost

A WINNER EVERYWHERE.

\$2.00 per dozen; \$10 00 per 100; \$75.00 per 1000. Cash with order.

C. BESOLD, Mineola, L. I., N. Y.

FLORA HILL cause there is nothing in sight to at all equal it. It speaks for to at all equal it. It speaks for itself wherever grown. It puts all others in the shade Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; the best stock ever offered. So, 60 per 100; \$40.00 per 1000. Our trade list is issued. If you have not received one send for it.

E. G. HILL & CO., Richmond, Ind.

### Bread and Butter

Carnations Scott and Rose Queen for Pink; Emily Pierson for Red; Meteor, Crimson; McGowau and Kohinoor for White. No experiment and disappointment growing these caruations. Strong rooted cuttings \$1.00 per 100; \$8.00 per thousand. Cash with order,

ORDER AT ONCE AND SECURE STOCK

CHRYSANTHEMUMS Rose Owen, J. H. Woodford, Dorothy Devens, G. F. Atkinson, Golden Trophy, T. B. Miss Helen Wright, Belle of Castlewood, Chito, C. W. Ward, Mrs. S. T. Murdock, 75 cts. per dozen; \$5.00 per 100. Glory of Pacific, Mad Dean, Mrs. R. Crawford, W. P. Raynor, Modesto, Lenawee, Fride of Castlewood, Bonnaffon, Yory, Ruth Ellis, 50 cts. per dozen; \$3.00 per 100. Frank Hardy, T. H. Spanlding, Mrs. O. P. Bassett, The Yellow Fellow, Madeline Pratt, Mrs. C. H. Peirce, Merry Christmas, 36 cts. each; \$3 00 per dozen. Snuw Queen. Pennsylvania, 50 cts. each; \$5.00 per dozen. W. H. Chadwick, \$1.00 each; \$6.00 per dozen.

CARNATIONS Juo, Young, Bon Ton, Mrs. Jas. Dean, White Cloud, New York, Empress and Evelina, \$2.00 per dozen. Slo.00 per 100: \$75.00 per 1000. Lily Dean, C. A. Dana, Mayor Pingree, \$5.00 per 100. Scott and McGowan, \$2.00 per 100; \$10 per 1000. \$10.00 per 1000; \$10.00 per 1000; \$10.00 per 1000; \$10.00 per 1000; \$10.00 per 1000. Lily Dean, C. A. Pres, McKinley, Defender, Pres. Cleveland, Tarrytown, 60 cts. each; \$5.00 per dozen. Queen Charlotte, Admiral Avellan, Pres, Carnot, Midway, Ami Pichon, Egandale, Chas. Henderson, \$2.50 per 100. Eldorado, A. Billard, Burbank, Count de Bonchard, Souv. du Pres, Carnot, Souv. d'Antoine Crozy, Papa, \$4 00 per 100.

For full description send for our 1898 wholesale list.

THE GOTTAGE GARDENS, Queens, N. Y.

### Jarnation

The Gem of All the ....Variegated Varieties

JOHN N. MAY, Summit, New Jersey.

#### NEW & & & CARNATION ARU)

A few left at the following price & \$ \$10.00 per 100; \$75,00 per 1000.....

#### ARGYLE FINE NEW CARNATION.

LARGE, healthy, free. \$2.00 per doz.; \$10.00 per 1000. \$75.00 per 1000. Send for complete list of all the hest varieties.

# \$300 CARNATION PRIZE See half page ad, in issue of March 26th. Send for our circular. AMERICAN ROSE COMPANY, Box 422. WASHINGTON P. C.

### Carnations hrysanthemums

**NEW AND STANDARD VARIETIES** 

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS,

Oeklend, Md.

**NEW CARNATION....** 

son yet introduced...

The largest, bright rich crim- Empress

Send for price list of above. New and Standard Sorts....

WM. SWAYNE, Box 226, Kennett Square, Pa.

#### 

### Herr's Smilax

Sample plants sent for 10 cents. 75 cts. per 1(0, or \$5 00 per 1000.

CARNATION **EXPERIENCES** 

A few hundred left, send your address and get one free......

ALBERT M. HERR

Lancaster, Pa.

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#### NEW WHITE PERPETUAL **BLOOMING CARNATION**

#### Anna H. Shaw

The Best "All Round" White Carnation for Cut Flowers. Recommendations: Wonderful bloomer. Unusual Vigor, Rapid Grower, Furns Strong Blooming Planta in a Very Short Time. Perfectly Healthy, Handsome Foliage. Large Beautifully Formed Flowers on Long Stems. Exquisitely Fragrant, Nevers on Long Stems. Exquisitely Fragrant, Growers on Longer and Gives More Flowers than Any Other Variety Ever Offered If you want a RELIABLE Carnation that can always be depended upon. give Anne H. Shaw a trial. Rooted Cuttings. \$1 per doz; \$6 per 100. Strong Plants, \$1.75 per doz; \$10 per 100. Stend for Trade List and Catalogue of Seeds, Bulbs, Plants, Cacti. Etc.

#### Mrs. Theodosia B. Shepherd,

Ventura (by-the-Sea), Cal.

#### A Word About Valves.

What a painful thing it is to go through an otherwise fairly well equipped green-house and note the miserable "contrap-sions" doing duty as steam or water valves: old fashioned, rickety, leaky. spattering things, that stick when you try to open them and stick worse when you close them. It is all so useless, too, as the first cost of a good valve is so little more than that of a poer one. The life of a thoroughly good valve is more than double that of a cheap one, while in com-fort to the workman and economy in steam and water the good one is far in advance of the other. Little leaks of steam, of water, of time in opening and closing, and in repacking and "tinkering," while not great losses, separately, amount to a large sum during a number of years, to say nothing of the satisfaction of hav-

ing things ship shape.

Cheap valves besides being poorly made are nearly always thin and lacking in metal. They are much given to twisting and springing when being connected, be-sides their tendency to show side leaks through the wear of the steam against the thin metal. Pick out a good stout fellow who likes to do a good job and set him to repacking one of these valves. If he does not twist the top off the bonnet of the valve it is two to one that he will force the packing through the little thin packing nut. By all means then, select a good heavy valve; there never was one

with too much metal in it.

For steam, although gate valves work very well, globe and angle valves are generally used. Metal seat valves very soon wear so that they will not close properly and it is a tedious job to regrind them. A standard make of composition disc valve is much the best for greenhouse conditions. When the old disc becomes worn, which will not be until long after a metal disc becomes leaky, a new disc can be bought for a small sum and easily put in place. For sizes up to and including two inches, brass valves are best, above that size iron body valves with brass trimmings can be used.

For hot water, gate valves should be used with wrought iron pipe, and if with non-rising stems much work in repacking will be saved. They should never be used in a vertical pipe when it can be avoided. For a water supply inside the houses the valve known as a Fuller bib is far handier and more reliable than any other we have used and as the patent has long since ex pired they are not expensive. As the rub-ber ball which forms the valve wears, it can be easily tightened by unscrewing the valve and turning the nut back of it. For the water supply shut off a gate valve is best, although as they are not in frequent use, what is known as a round way rough stop will do.

MISSOURI STATE HORTICULTURAL SOCI-LTY - The summer meeting of the Missouri State Horticultural Society will be held in West Plains, June 7, 8 and 9, 1848. All persons interested in fruit growing are invited to be present. Papers will be read on small fruits, peaches, diseases, insects, marketing and ornamental gardening. The secretary is L. v. Gandinan, Westport, Mo.

Consen. Blancis, Li W. B. Reed, the ne say elected city treasurer, has sold his interest in the establishment of McPherson & Reed to H. H. Frey of Lincoln, a vergian in the business. The new firm will make a number of additions to their greenhouses and have leased the room at I Pour street for a retail store.

### 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000. NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

### **GERANIUMS**

4 inch Paper Pots, in Bloom,

PINK, RED and WHITE Best Bedders. . . . Thousands Ready.

GEO. A. KUHL, = PEKIN, ILL.

### **West Islip Greenhouses** MARIE LOUISE VIOLETS

Rooted Runners, \$4 per 1000. Cash with order.

E. B. SUTTON, Jr. P. O. Address.... BABYLON, N Y.

### Hydrangeas



Fine plants with 10 to 30 blooms per plant. 10 cents per bloom...

JOHN SCOTT, Keap St. Greenhouses,

PANSIES WE grow over a million from the choicest seeds of Bugnot, Cassier, transplanted last November in cold frames; large plants now ready to bloom, 60c per 100; \$4,00 per 1000; Mammoth Verbenas, 70c per 100; \$5,50 per 1000; Double Geraniums, in bid and bloom, such as 8 A. Nutt, Gen'l Grant, La Favorite and many others equally as good, 4-inch, \$6,00 per 100, 3-in., \$4,00 per 100, 3-inch, \$5,00 per 100, HELIOTROPE, 4-inch, \$6,00 per 100, VINCAS, extra heavy, 4-inch, \$8,00 per 100.

All the above are very bushy and well branched.

#### WHITTON & SONS.

Wholesale Florists,

City and Green Sts.,

UTICA, N. Y.

#### Violet Plants...

Marie Louise

GEORGE SALTFORD, Rhinebeck, N. Y.

#### WHITE FAXON'S "WHITE, PANSIES.

The hest mixture in cultivation, flowers ver-large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at \$1.00 each. M. B. FAXON,

528. BOSTON, MASS. Lnck Box 1528,

### SPECIALTIES

IN BEST VARIETIES. ROSES, from 3-Inch pote

CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.

SMILAX.
VIOLETS
Prices low. Send for list

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GLEMATIS Jackmanni, Henryli doz. 100 and others......\$3.00 \$20.00 H. P. ROSBS Strong, 2 and 3 years own roots......\$1.50 \$10.00 REO JACKET GOOSEBERRY, only large

PAEONIES, fine ass't of colors and kinds \$1.25 \$8.00 SMILAX, extra strong plants..... \$2.50

F. A. BALLER, Bloomington, III.

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Cold Fields at Your Door.

Cold Fields at Your Door.

COLEUS—All kinds, all grades and all prices. Verschaffeitl and Queen. 75c per 100; \$8.00 per 1000; 25c-inch pots, \$15 00 per 1000; 1175 per 100. Coleus in variety, \$5c per 100; \$150 per 100. Coleus in variety, \$5c per 100; \$150 per 100. 25c-inch pots, \$12 00 per 1000; \$1.50 per 100. Agrantum dwarf blue. 60c per 1000; \$1.50 per 100. Agrantum dwarf blue. 60c per 1000; \$1.50 per 100. Anthemis Coronaria. Golden Marguerite. \$150 per 100. Anthemis Coronaria. Golden Marguerite. \$150 per 100. Anthemis Coronaria. Golden Marguerite. \$150 per 100. Yello per 100; \$200 per 1000; \$200 per 1000; \$100 per 100. Hellotrope. 6 varieties, \$1.00 per 100; \$100 per 100. Hellotrope. 6 varieties, \$1.00 per 100; \$100 per 100. Alternanthera Paronychiodes, Major and Anrea Nana, 60c per 100. Hellanthus Muttiforus. Double Golden. 25c-inch pots. \$2.00 per 100; \$12 00 per 1000; \$2-inch pots. \$2.00 per 100; \$12 00 per 1000; \$2-inch pots. \$2.00 per 100; \$12 00 per 1000; \$12 00 per 100

J. E. FELTHOUSEN, Schenectady, N. Y.

#### **CARNATIONS** AND COLEUS ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

DAYBREAK of special quality.
ROOTED COLEUS in variety.
Cood stock only. Price list free.

DAN'L B. LONG, Growers' Agent, BUFFALO.

#### 5,000 SMILAX...

From flats, by mail. Sie per 100 \$4.00 per 1000 From 2-inch pots, \$2.25 per 100, \$13.00 per 1000 Geranlums from 2-inch pots, \$2.25 per 100; \$20,00 per 1000. Cash with the order. Send for samples. Fred Boerner, (APE MAY CITY, N. J

#### PRICES GREATLY REDUCED Cape Cod Pink Pond Lily For price lists, Plants and Cut Flowers,

address the original enlivators

CHIPMAN BROS. SANDWICH, " (CAPE COD), " MASS.

#### MUST HAVE ROOM

Ceraniums 10:00 S. A. Nutt, 2-inch, \$15.00 per 1000; \$2:00 per 100 - stoated Cuttings from soil, \$0:00 per 1000; \$1:50 per 100 - Mano. Brunnt, 2-inch, \$3:00 per 100: Krancea Ferkins best Pink 2-in, \$3:00 per 100: Oracoma Indivisa Strong 3-in, \$8:00 per 100: Ocious - Kondiko, strong 2-in, \$5:00 per 100: Begonia Vernon, 2-inch, \$2:10 per 100. Contration Lizze Metiowan, soil or pots \$10:00 per 100. Cosh please.

CARL HAGENBURGER, West Mentor, Ohio.

#### BENJ. CONNELL, Florist,

WEST GROVE, PA.

10,000 Ampelopsis Veltchil, the dormant put plants, 1 and 2 year old, price 3 and 6c (1000 pt grown Cannas, cream of bedding sorts, 20,000 Viousis, 20,000 Caronitous; Spires Anthony Waterer and Blue Spires; Strawberry-Raspberry and other new small fruits. All must be sold. Ask for prices. Address.

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**GERANIUM** 

Special Certificate of Merit! A Gem! A Beauty!

CHARLESTON, S. C., Merch 8, 1898
DEAR SIR: Please send me 100 Mars etc.
J. M. CONNELLY.

CHARLESTON, S. C. March 12, 188
DEAR SIR: Mars received this A. M. I am pleased with them, you will please send me another 180 Mars, etc.
J. M. CONNELLY.

STOCKBRIDGE, MASS., April 18, 1838. Enclosed find two dollars for which send me 25 Geranium "Mars." I had one dozen of you and they are fine. GEO. SEYMOUR.

LET US HAVE YOUR ORDER AT ONCE

### HENRY EICHHOLZ,

WAYNESBORO, PA.

MOST ANYTHING YOU WANT.

### L. SMITH, Aurora, Illinois.

\*AGERATUM

Cope's Little Pet, \$3.00 per 100; 200 for \$5.

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Young plants for bedding out; \$4 per 100.

TERNANTHERAS. \$3 00 per 100; 200 for \$5.00.

BEGONIAS Finest sorts, \$4.00 per 100.

CARNATIONS

Leading kinds \$3.00 per 100; \$25 per 1000.

CHRYSANTHEMUMS

Finest sorts, our selection; \$3 00 per 100; 200 for \$5.00.

\*COLEUS

20 varieties; \$3 00 per 100; 200 for \$5 00.

\*CENTAUREA GYMNOCARPA \$3.00 per 100; 200 for \$5.00.

All Marked With Star \$20.00 per 1000. Look over our Trade List. We can't enumerate everything in nu ad like this. Look ver the List and keep watch of our ads.

HELIOTROPE

Finest ever offered; \$3.00 per 100. HOLLYHOCK Double white; \$4.00 per 100.

DRANGEA HORTENSIS

Small for planting out; \$4.00 per 100.

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Dbl. Pink and white, \$6.00 per 100.

**OTAHEITE ORANGES** 

Very strong; 3-incb, \$10.00 per 100

PETUNIAS

Dreer's magnificent named sorts, \$4.00 per 100.

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We still have some. Victor and Freddie Heiul, \$6.03 per 100; mixed without labe's, \$3.00 per 100. Victor and Freddie

SANTOLINA INCANA

\$3 00 per 160; 200 for \$5 00.

SMILAX \$3.00 per 100.

VERBENAS

No one has so fine sorts, \$2.50 per 100.

VINCAS All sizes

VIOLETS

Marie Louise, Calitornia, \$3.00 per 100.

#### HARDY PINKS

2½-in, pots; Souv. de Sale, \$3.50 per 100; Her Majesty, Glen Valley, Laura Wilmer, Ger-trude, \$3.00 per 100.

#### VIOLETS...

21<sub>2</sub>-in. pots: Admiral Avellon, Princess of Wales, \$3.50 per 100: Luxonne, California, Campbell, Swanley White, \$3.00 per 100.

THE CONARO & JONES CO.. . West Grove, Pa.

#### VEGETABLE PLANTS

Tomato. Cabbage. Lettuce. Celery and Sweel Potato, 1b cts. per 100; \$1.00 per 1000.

Pepper and Egg Plants, 25c per 100; \$2.00 per 1000. Cauliflower Snowball, 35c per 100; \$2.50 per 1000. All plants by mail, 10c per 100 extra Price list for large quantities. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

#### ECHEVERIA WANTED...

• • • 1000 plants for carpet beds, from  $2\frac{1}{2}$  to  $3\frac{1}{2}$  inches in diameter.....

PETTINGELL & HENRY, - Toledo, Ohio.

Roses...

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THE JENNINGS STRAIN.

PANSIES
THE JENNINGS STRAIN.
THEY ARE GRAND.
Fine stocky plants in bud
and bloom, \$10 and \$15 per
1000; \$1.50 and \$2 per 100 by express; small plants,
75c by mail. Pansy seed, \$1.00 per pkt. Aster
seed, Semple's pink, \$1 00 per oz. Cash with order.

Little Gem, \$3.00 per 100. Golden, \$3.00 per 103; 200 for \$5.00.

We have most anything you can ask for. Just now specially we have some par-ticularly fine 3-inch forcing, \$6 per 100.

And we have everything you cau think of. Our choice, \$3.00 per 100 Rose, Happy Thought, Mrs. Parker, etc. See our list.

FUCHSIAS In Variety
\$3.00 per100: Phenomenal and Mrs. E.
G Hill, \$4.00 per 100.

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Crower of the Finest Pansies.

#### BARGAINS IN PLANTS CASH

| ı | French Cannas, Crozy, Queen Charlotte. p | er 100  |
|---|------------------------------------------|---------|
| ı | Florence Vaughan, etc., fine plants      | .\$4.00 |
| B | Ceraniums, Double Grant 25 Inch pots     | .2.00   |
| ì | Salvias, Clara Bedman, 2%-Inch pots      | , 2.00  |
|   | Coleus, 5 varieties, fine, 21g-inch pots | .2.00   |
|   | Regonia Vernon, fine 24-inch pors        |         |
|   | Mountain of Snow Ceranium, 21/2 In. pots |         |
|   | Order at once and get good stock         |         |

NICHOLAS AMOS, Crestline, Ohio.

Always mention the .......

#### American Florist

when writing advertisers.

### April Offer.

| Alternanthera A. Nana, \$1.75; P. Major\$2.00       |  |
|-----------------------------------------------------|--|
| Begonias, 5 var Vernen                              |  |
| Coleus Asst, and Centaurea Gymnocarpa 2.00          |  |
| Geraniums, 16 Var., 212-in. pots, \$2.50; 3-in 3.75 |  |
| Geraniums, 4-in, pots and Margnerites (Paris        |  |
| Daisy) 5.00                                         |  |
| Pansy plants from cold frames and Smilax 1.00       |  |
| CASH PLEASE.                                        |  |

JOS. H. CUNNINGHAM, Delaware, Ohio.

Please Mention The American Florist.

MAJOR Var.

From 4-inch pots .....\$7.00 From 2-inch pots .....\$3.00

Sonnenschmidt & Junge

456 E. Washington St. INDIANAPOLIS, IND.

#### New Haven. Conn.

The dullness attendant upon the belligerent talk of the last few weeks, seems to have resulted in a period of inactivity with the actual unloosing of the "dogs of war." It is quite natural that the of war." It is quite natural that the fighting fever should affect the florist's business earlier than most others, and so it seems to be.

Prices remain about the same. Roses are declining in figure as the season grows, and sell for 75 cents to \$1.50 per Violets remain popular as ever dozen. and bring \$1 per 100.

F. S. Platt and Robt. Veitch & Sons report briskness in their seed line, and the demand is fully up to that of other

years.

Pansy plants and mountain daisies for bedding purposes are holding their own in popular favor, selling for 35 cents per dozen.

J. A. P.

#### Another Carnation Pest.

ED. AM. FLORIST: - I send by mail specimens of a moth, the caterpillar of which did much damage last winter to carnation flowers before they were ready to open, by boring into the calyx and cutting up the petals. Only for the vigilance of my men in hunting for it nightly it would have destroyed a solid bed forty feet by six. It is new to me. Inced scarcely say that it is a night worker. For want of a better name I call it the "bur-It got justice without process of glar. law. JOHN SPALDING.

The insects sent by Mr. John Spalding from New London, Ct., and which he states are injurious to carnations by horing into the calyx and cutting up the petals, belongs to the species known as the variegated cutworm (Peridroma saueia). The specimens transmitted were not in good condition, but specific determination was, nevertheless, possible. This is a general feeder, like most of the cutworms. I have at hand no record of its previously being injurious to carnations in hothouses. The best method of destroying these entworms is by means of poisoned bait, directions for the preparation and use of which are given in Farmers' Bulletin, No. 19, as follows: "It is not always advisable or effective to apply arsenicals directly to the plants, and this is particularly true in the case of the attacks of the grass hopper and of the various cutworms and wireworms. In such eases the use of poisoned bait has proven very satisfac-For locusts, take 1 part, by weight, of white arsenic, 1 of sugar, and 6 of bran, to which add water to make a wet mash. Place a tablespoonful of this at the base of each tree or vine, or apply a line of baits just ahead of the advancing army of grasshoppers, placing a tablespoonful of the mash every 6 or 8 feet, and following up with another line behind the first. For baiting cutworms and wireworms, distribute poisoned green, succulent vegetation, such as freshly cut clover, in small bunches about the intested fields. Dip the bast in a very strong arsenical solution, and protect from dry ing by covering with boards or stones. Kenew the bait as often as it becomes dry, or every three to five days. The brainarsemial bait will also answer for cut-worms C. L. Marlatt.

Washington, D. C.

 $S(1,y,y,\Delta(x))$  The ladies of the Presby terian church gave their annual Rose Show on April 19 There were prizes in rwenty four classes and excellent exhibits scere numerous.



### Kraft's Plant Tonic

For Plants, Palms and Flowers

A Wonderful Preparation for the Promotion of Plant Life, Des-truction of Insects and Scale......

The Tonic makes the foliage of the plan a beautiful bright green. For sale at . .

84 & 86 RANDOLPH STREET, CHICAGO.

**VAUGHAN'S SEED STORE,** 

14 BARCLAY STREET, NEW YORK.

### Cocoa Nut Fibre

HAS COME TO STAY ON ITS ..... MERITS.

HE SALEM COCOA NUT

FIBRE CO. Will ship to any part of the country at \$9.00 per ton. F. O. B. at Salem, Mass.

W. S. WARD, Mgr., Office: Federal Street, - SALEM, MASS.

#### **EXTENSION** THE MODEL CARNATION SUPPORT



OUEENS N. Y., FORD II. '37.

MR. THERON PARKER, Brooklyn, N. Y., Dear Sir:—
I have tested your latest model Carnation Support and am free to say that Leonsider it the best wire carnation support that it have ever seen. It le quickly and enaily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.

Cry U. WARD.

FLATBUSH, BROOKLYN,
N. Y., Feb. 18, 27
Mn THERON PARKER,
Dear SIT: - Your wire stake
ls certainly a gem Without heshtating wu indorse it
as an up to-date carnation
support. Yours truly,
DAILLEDOUZE BROS

W. HOROKEN, N. J., FOL. 18, 97.

MR. THERON PAIRER, Brooklyn, N. Y., Dear Shr.—
It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as any-body will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am Yours truly, E. ASMI'S. and discount on early orders.

Write for price list and discount on early orders.

THERON PARKER, 22 Morton St. BROOKLYN, N. Y.

### Scollav

INTERPENANTE J. A. Scollay, Maker,



VAUGHAN'S SEED STORE, Gen'l Western Agents, 84 Randolph St., CHICACO.



Stems...

Strong and Clean 

...Dust **BEST QUALITY** 

#### T. W. Wood & Sons,

Seeds, Bulbs and Supplies for Florists and Gardeners.

Send for Catalogue.

... RICHMOND, VA.



STEMS

BOTTOM PRICES.

VAUGHAN'S SEED STORE.

Chicago. New York.



#### Geranium Mars.

ED. AM. FLORIST:-Noticing in your report of the spring exhibition of the Northampton Horticultural Society that several florists of that place consider this an old variety renamed, we have to state that it was a chance seedling grown by the late S. J. Nitterhouse, of this place. On taking possession of this property, we found two plants of the geranium in question. Mrs. Nitterhouse informed us that the late Peter Henderson had, shortly before his death, offered \$60 for the small stock of the plant then on hand, and on the strength of this statement, together with the merit displayed by the variety, we decided to introduce it and named it Mars. So far only two persons claim to have seen it before, and this is explained by the fact that a few plants were sold in the neighborhood before we took possession. Apart from this, there is nothing old or renamed about it.

HENRY EICHHOLZ.

If corresponding with an advertiser at any time, say "saw your ad. in the American Florist."

-Net cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

| Size    |    | Packed<br>Crates | of p   | ross<br>er 10 | 00 p | õte |       |      | er 1000 |
|---------|----|------------------|--------|---------------|------|-----|-------|------|---------|
| 246-100 | h  | 1000             | 8      | bou           | t 20 | The | <br>§ | 0.25 | \$2 20  |
| 212     |    | 1000             |        | **            | 23   |     |       |      | 2.40    |
| 3 " "   |    | 1000             |        | **            | 34   | **  | <br>  | .45  | 3,90    |
| 316 "   |    | 1000             |        |               | 45   | **  | <br>  | .60  | 5.15    |
| 4 "     |    | 500              |        |               | 76   | 14  | <br>  | .80  | 6,90    |
| ž 1,    |    |                  |        | **            | 100  |     | <br>  | 1.20 | 10.35   |
| ğ 1.    | ** |                  |        |               | 150  |     |       | 1.65 | 14.55   |
| v       |    |                  | aodard | Pot           |      |     |       |      |         |

| Standard Pot Measure. | Lees quantities than full crates at 100 rates. | Full sample dozens of a size malled on receipt of 10c | 12c | 15c | 22c | 30c | 45c | 60c | 60c | 12c | 13c | 13c | 11c | 14n | 5-1n | 6-1n | 6-

Address all orders to our General Agents,

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52 DEY STREET, NEW YORK. Our Eastern Agents are

R. & J. FARQUHAR & CO., Boston, Mass.

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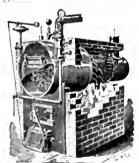
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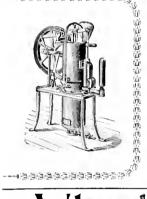


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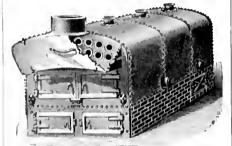
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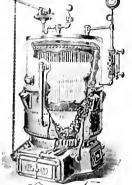
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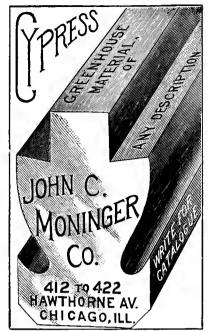


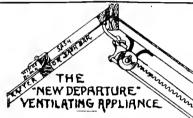
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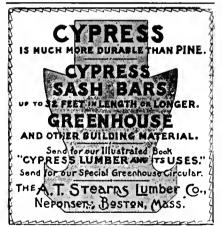
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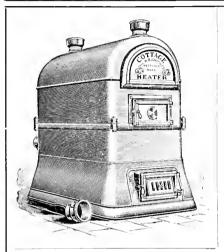
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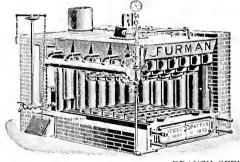
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#### CHICAGO AND NEW YORK, MAY 7, 1898.

No. 518.

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Annual Convention at Philadelphia, February, 1889.
ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Omaha, Neb., August, 1888.
ELMER D. SMITH, Adrian, Mich., secretary.

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LOUISVILLE, KY.—C. K. Kunzman, being dissatisfied with the wholesale methods of disposing of stock, has opened a retail store at Jefferson and Eighth streets.

#### The Price of Glass.

FRANK HAYES DISCUSSES THE SITUATION.

The present unexampled conditions in the glass trade are affording no concern to H. M. Hooker, the venerable head of the Hooker Company, through which Chicago growers obtain a large proportion of their transparent roofing. Mr. Hooker has grown grty in the business in which his pocket book has become plethoric. It was more than four decades ago that he first jobbed glass and made paints. Before that he sold both lines in a drug store which he conducted on Randolph street diagonally across from the present location at the corner of Clinton.

It has been some time since Mr. Hooker shook from himself the cares for the details of his extensive business, placing the reins of management in the hands of Frank Hayes, junior partner in the company, who has been associated with Mr. Hooker for thirty-five years. The senior has not lost his commanding presence, his elastic step or his cheery manner of salutation and is wonderfully well preserved for a man in his seventieth year. He is at his desk each day, but having found strong shoulders to support the burden of business which he so long carried, is enjoying a freedom from responsibility earned by more than half a century of unceasing commercial activity.

Mr. Hayes is said to be one of the best posted glass dealers in Chicago. He makes a study of the trade in all its phazes, and in a recent conversation said:

"I am aware that a number of greenhouse owners are postponing large and much needed additions to their establishments, because of the prevailing altitude of the price of glass, and I don't blame them, but I regret that I can hold out no immediate prospect of lower prices; in fact, the next few days will see a further rise of at least 5% and possibly 10%.

"Where we formerly charged a grower \$2.50 for fifty square feet of 16x24 we are now obliged to get \$4, and I agree with the florist who considers the increase unwarranted. It makes far more difference with a greenhouse builder than it does with the man who is putting up any other sort of a structure but the rise is general throught all branches of the trade and is solely due to the organization of the American Glass Company, which, at its inception last year, controlled 95% of the furnaces in the country.

"To-day there are approximately 2,000 pots in operation in the United States and Canada. New independent furnaces are starting every day, but their production will not be sufficient to affect the market before June 30, upon which day the making of glass will cease for two

months. The independent concerns will start up September 1, and their capacity by that time may equal 20% of the whole, in which case they may force the combine to begin operations on the same date and may provoke hostilities which will result in a cut in prices. However, such an eventuality is entirely problematical, and in my own mind I see no likelihood of a reduction before December 1, the date of the expiration of the agreement under which the glassmakers are now doing business.

"Never have American glass factories been so busy as they are to-day. The strike which kept the plants tied up for months last fall resulted in the absorbtion of all the stocks on hand. Then prices took their first leap. This spring's business has been the best in many years despite the fact that prices have not been so high since 1879, and now every factory has more orders than it can execute, with but two months in which to accumulate a stock to tide through the annual summer period of inactivity. The trust has just withdrawn its latest quotations, which indicates that another rise is at hand, and under existing conditions it seems more than probable that prices will achieve further heights before they recede.

"When the glass workers resumed their tasks after last fall's imbroglio they received an increase in wages of 15'; or about the increase which the Dingley law made in the glass schednle of the tariff. Despite this I believe that the profit to the maker of window glass is to-day not less than 40';. When the present agreement expires the workmen will insist upon a further increase in their pay, or I am much mistaken, and this, with the uncertainty as to the effect of the rapidly increasing independent competition to the combine, renders the future decidedly obscure. However, foreign glass can now be laid down in Chicago at prices less than that of American glass and I observe that importations are rapidly increasing, 22,000 boxes coming over last week. Therein is a ray of hope."

[Since Mr. Hayes gave the above interview the 10% rise which he predicted has become a fact.—Ep.]

#### Orchids for Florists.

After the cattleyas, the next in importance to the florist, are the ladias, and they are closely allied to each other, the difference being only a botanical one, the pollen masses being in eight masses instead of four, and there are no reasons why the kelias should be treated in any way different from the cattleyas except in individual instances, due to geographical

distribution, and this applies equally to the cattleyas that grow at the extreme limits of latitude or clevation. Ladias are, however, much more widely distributed than the cattleyas, there being but one cattleya in Mexico, C. citrina, but quite a number of ladias, most of which are valuable to the florist as cut flowers, owing to their long stems and their flowering in midwinter. They are also easily procured at low prices and are, as a rule, easy to cultivate.

It is a great mistake to keep these orchids from the Mexican highlands in a close moist atmosphere with a dense shade on the glass; they are found on the trees at great altitudes; sometimes near the frost line, and always where plenty of sun and air reaches them. We have succeeded in flowering the white forms of Lælia anceps as freely as the colored type by placing the plants outdoors in the growing season, suspended in partial shade or where

curely wired on fern fibre they seem quite at home and we have them now in flower with bulbs much larger than ever they made in Mexico. After the flowering season is past it is a mistake to keep the plants dry, as is often recommended, for it is at this time that they make their new roots that go to make up for the loss due to the strain that the flower spikes have put them under and to cause the bulbs to send out strong new growths in spring, and when it is seen that they need new receptacles, it is best done as soon as possible after flowering, as they have the resting period to recover in.

For the other lælias that are of value

For the other lælias that are of value to the florist we have to go to Brazil, where there are two that are very desirable. The first, L. purpurata, being one of the finest orchids known, as well as one of the best to grow and keep healthy. One often meets with fine old specimens of this that have been in collec-



LÆLIA PERRINII.

the force of the sun at midday is broken up by trees, and there is nothing left to be desired in the way the plants grow and flower. We shall place all the Lælia anceps outdoors in future early in June, and give them a spray with the hose every evening during warm weather. In the fall they must be brought indoors as soon as cold nights arrive and be placed in an arry house that will be kept at 55-during the winter months, which will misure a good crop of bloom for Christimas time.

7 On the Mexican kinds referred to above there, re three that are valuable for florests Lacian albida, L. aurimmalis and L. anceps, all three thriving under the treatment named, but where the white variety of L. coleps is grown at its best to give here little more warnth in winter, as the coles said to come from the Pacific cast of Jeneo, and they like the warmest end of the house to mature the bulbs and flower stems. L. albida is best grown on blocks of term three and suspended at the ends of the house where they may get frequent spray from the hose in hot weather. This kind will not thrive well in pots unless suspended, and this makes considerable labor in water my where a number are grown, but se

tions for long periods and they flower regularly each year in early summer, generally in May and June, and are valuable for festivities at that date as the color is pure white with a rich purple lip; there is, however, great variation in the coloring in individual plants and among those of recent importation may be found as fine varieties as were ever introduced. Although this plant comes from southern Brazil, it does not need any more heat than the cattleyas; we find that it grows weak among the cattleyas and is best at the cool end of the house, as the growth is made in winter when there is not much sun and air to mature them. Lælia crispa is similar in its needs, and is a useful variety to bloom in summer when summer flowers of a choice quality are wanted

Mention should also be made of the several dwarf growing forms of Lælia pinulla, they are so easily grown, require so little space, and the flowers are so large in proportion to the size of the plants, that a few of each are always a paying investment. It should also be mentioned that L. pinulla offers one of the best seed bearing parents to hybridizers of all lo lias and cattleyas. We have succeeded in getting up-seedlings in almost

every instance when one of these forms were used, and this has also been the experience of others. Lælia præstans is generally regarded as a variety of L. Dayana is also good, its flowers being smaller but of richer color than the other two. We find that these dwarf kelias grow freely in shallow pans suspended near the light in a cool house in summer and with a little more warmth in winter with the cattleyas. A single flower makes a choice and elegant buttoniere for a gentleman, and we grow them for this especially.

#### Ponds and Lakes for Aquatics.

Too often, unfortunately, we may still see ponds of circular or oval shape with banks secured by stone walls or pebbles set in cement concrete that show above the water line. This may do for the horsepond of a farmyard, but it will not do for a watergarden. If it is worth our while to make a pond at all it should be also worth our while to pay attention to nature's most simple laws with regard to beauty, and when an artificial pond shows in its shore line curves that could not possibly have been formed by nature the effect is repulsive. When writing of water in the rock garden I mentioned that a pond in most cases should be treated as an expanded streamlet, and the curves of large ponds or lakes give no exception to that rule. A natural pond with a bold projection or promitory on one side will almost invariably show a still bolder recess on the opposite shore, and vice versa. If such projections are covered by vegetation that hides a portion of the water, so that from no point the whole of the surface can be seen, the effect will be all the more picturesque. A good example of this may be seen in the lakes at Birkenhead Park, which, in consequence of this partial obscuring of the water from certain points, appears much larger than it really is.

In the case of a broad stream or river flowing through some meadows within sight of the house, the simplest way to produce a pond or lake would, of course, be to widen the stream or river to the size that would seem most desirable. But if the pond and its banks are intended for a water garden this course would not be the most practical if the flow of water is at all rapid, because, after heavy rains, when the river swells and floods its surroundings, there would not only be a danger of the water plants being earried away, but silt, gravel and river mud would quickly fill up all recesses and thus practically destroy the beauty of the pond and choke the plants. The best plan in such a case is to "tap" the river, conduct the water intended for the supply of the pond some distance away from the original stream, and finally let overflow rejoin the river at a lower level. If the water is first conveyed in pipes, and made to flow in an opposite direction to that of the river, the danger of chokage by mud or silt will be entirely avoided. When laying out some grounds at Great Marlow a few years ago I made a most successful poud in the way just described, by tapping the river Thames. In most cases it may also be advisable to cover the month of the pipe by wire netting to keep out water rafs and other vermin. There is no reason why water drawn in this way from a river should not, at some little distance from the "tapping place," reappear in the shape of a natural streamlet before filling the pond, and here and there its water-soaked banks

might become the home of all kinds of most suitable as well as beautiful plants. In like manner the water emerging as overflow from the pond might form a picturesque brook of any desirable length with or without waterfalls before rejoining the river.

In a case like the preceding, where the water supply would be practically un-limited, the comparatively small waste of water through absorption by the banks, and perhaps also by the hottom of the pond, would hardly need comment. But where the supply is scarce and the bottom and sides of the pond are of a porous nature, the latter would have to be either "puddled" or covered with concrete to prevent waste. Concreting on a large scale is always expensive work, and clay puddle, especially on the sides of banks, is very apt to be injured by water rats, to crumble away after a severe frost, or be washed away by the ripples of water moved by wind. Sometimes it so happens that the sub-soil consists at a certain depth of a tough clay which no water could penetrate, but that the soil at the required water level is of so porous a nature that it would not hold water. Naturally the first impulse in such a case would be to excavate the pond to the depth of the natural layer of clay, and then form banks of clay puddle at the sides. But there is a much cheaper and more simple plan. Instead of excavating to the clay, excavate only to a depth sufficient for growing aquatics (say two or three feet), and instead of piling up clay against the sides leave the sides untouched as much as possible, preferring the natural slope of the ground to dip below the water line. To prevent waste percolation surround the whole pond by a trench about eighteen inches wide excavated beyond the depth of the natural clay sub-soil. The whole of this trench should then be filled with claypuddle to a height extending slightly above the water level, filling up the remainder with ordinary soil, so that the whole is completely hidden. The trench should not be close to the shore line, neither need it follow the curves of the shore, but, as it would be invisible when finished, it might even be perfectly straight in some places if this would be a saving in distance. The advantages of this in distance. The advantages of this system are obvious. The water-tight puddle would be situated where it would neither wash nor crumble away. But the greatest advantage is that the ground intervening between the trench and the actual outline of the pond would be continuously soaked, and a natural bog for plants that love the waterside is thus formed without much trouble.

Very frequently a pond most suitable for a water garden can be formed by throwing a dam across a valley traversed by some streamlet. Generally this is effected by a straight or slightly curved wall, which is afterwards covered with soil, turf and plants with an opening from which the overflow water may emerge as a waterfall. As a rule such an opening is left near the middle of the dam and looks most unnatural, because the overflow emerges from what would be the broadest side of the pond. In nature this could scarcely ever occur. If we observe the natural formation of ponds, we find almost invariably that a streamlet becomes gradually wider and wider till a lake like expanse is formed; it then almost just as gradually contracts, and finally emerges again as a narrow streamlet. If the dam has to be made it would, therefore, be much more natural to have two walls gradully contracting

till the desired outlet or overflow is provided. Any formal edging of stones or any other material around a pond would at once deprive the latter of all natural appearance, however carefully it might have been constructed. The best way of securing the shore line against crumbling and washing is to round off all edges till they form a gentle slope, and then lay down long pieces of good tough turf, which should be continued quite a foot below the water mark, and should be further secured by long sticks driven firmly through them and into the bank.

Islands in ponds should be arranged with due regard to such formations in nature. In natural lakes we find them not often in the middle, but generally just beyond a promontory, where they would justify the idea of having been severed from the mainland by the breaking through of the water, or if they are of a rocky nature by upheavals from the bottom. A circular mound of soil in the middle of the pond generally looks as ugly as can be, and most unnatural—*F. W. Meyer, in The Gardener's Magazine.* 

#### Muscari Botryoides Album.

The white grape hyacinth or blue bottle are better known names for this really pretty Easter plant. It was first forced or grown as a pot plant in this neighborhood by Albert Woltemate, of Germantown. It comes into competition with lilies of the valley, being about the same height when in flower. It bears from eighteen to twenty-five spikes according to the number of plants in a 6-inch pot. It is treated the same way as hyacinths and other like stock, being wintered in a cold frame and requiring only a few days of heat to bring it out. Two spikes are generally produced from a bulb.

#### Carnations.

Hybridization is usually considered a matter to be attended to during the winter months, so that the seedlings can be flowered the following summer. If, however, you can possess your soul with enough patience to wait a year before you find out what results you have obtained from your experiments, May is a good month in which to hybridize and produce seed.

There is no time of the year when your carnations are in quite such good shape to produce good pollen and vigorous pistils as this month with the abundance of sunshine and the constant ventilation that is now on the houses. Later in the season the plants will have suffered too much from the heat, and earlier they have had too much artificial treatment.



MUSCARI BOTRYOIDES ALBUM.



ESTABLISHMENT OF WOLF & CO., SAVANNAH, GA.

The bees are the only objectionable feature in May hybridization and they can be easily avoided by selecting your flowers, covering them a day or so before the pollen is ripe with a cap made of tissue paper. This cap can be made by cutting a piece of tissue paper say six inches square and putting it over the flower, bringing the corners down below the petals and slipping a rubber band around it at the base of the flower; this will keep out all insects and yet give plenty of room around the top of the flower.

These caps should be put over both the flowers intended for work a day or so before the pollen is ripe and before the pistils are ready to receive it, so as to make it impossible to have any other pollen than which you want to use come in contact with them. This may seem nancessary with the pollen bearing plant, but if it is not protected a bee may come along the day the pollen is ripe with some from another plant on his body and drop a portion of it on the stamens you are working from and the result would be a mixture of pollen as complete as it you left the pistils uncovered to be fertilized by the bees themselves.

After you have fertilized the flower, it must be kept covered with the cap until the pollen has taken effect, which will be from one to three days, according to the condition of the plant and the weather. After the pollen has taken effect, and the petals of the flower dry off, it is best to pull them out carefully and leave only the alyx as a protection to the seed pod. This gives the air and light a chance to act to better advantage in the production of the seed.

When the seed pod attains its full growth and begins to turn a yellowish brown, it will be necessary to watch it earefully so that it does not get too ripe and burst or the bulk of your seed will be lost. As soon as the pod begins to open at the top pull it off with a good long stem and dry carefully until the bud opens up and oursts. Then your seed is ready to put way until Tebru cry, when it should be sown.

There are clew natural laws to bear in mind when you are selecting your flowers see hybridization, and the first and most important of these is the fact that in nine cases out of ten diseased parents will produce diseased seedlings. The next is that high culture, and high culture alone, will bring up the percentage of double flowers produced, and that starving the plant while it is deceloping the seed bines.

This st. Propagation - heald be begun

as soon as the pollen has taken effect and the easiest method is to deprive the plant of water gradually until it is growing almost entirely dry, and by the time the seed has ripened it should be almost ready to die. This method of getting results may seem a bit odd to some growers, but if you will try it and note the difference in the proportion of good colors from seed grown in this manner over that grown in the usual way, you will find there is something in it. The seed will not be quite so plump and healthy looking as that grown without starvation, and there may be a few more of them that will not germinate; but all of this is made up in the quality of flowers produced.

Albert M. Herr.

#### Southern Development.

Of all the florists who have gained success from a modest start on a restricted capital, none have greater reason for self-complacent retrospect than have Wolf & Co., of Savannah, Ga., who embarked in business in 1895 and who are able to look back upon three years of hard work and wonderful growth in the face of strong competition. Most of their 5,000 feet of glass, shown in the accompanying illustration, is devoted to the culture of roses and carnations.

#### A Good Advertisement.

The accompanying illustration shows an advertisement as used by the American

Rose Co. in street cars. The cards are of varied design and painted by hand in colors. This is a costly form of advertising, but one which has attracted much attention.

#### New York.

IMPROVEMENT IN BUSINESS, — RECEIPTS LIGHTER AND DEMAND BETTER,—HARRY BAYERSDORFER SAILS,—KOFFMAN WILL OPEN A NEW YORK STORE,—LOCAL NOTES.

A slight improvement in the cut flower trade is noticed. The receipts have been steadily decreasing in volume during the past week, and pleasanter weather hav-ing come the demand has shown more life than for some time past. Many of the roses coming in are more or less disfigured with mildew, the result of the long period of wet weather. This seriously affects the prices, which are none too good at best. Violets are on the down grade, very few of them being of requisite size. Sweet peas are improving daily. Some growers have adopted the plan of cutting their peas in big branches, 18 to 24 inches long, with abundant foliage and tendrils. Twenty-five such sprays make a grand show in a big vase and bring good money. Vellow flowers seem to be in demand. Big trumpet daffodils of the fancy named kinds and bunches of bright yellow snap-dragons are popular. There are too many pansies in the plant market and prices are away down.

Many McGowan earnations and some of the other varieties have been dying off, from stem rot apparently, with the Long Island growers. Scott scems to be going along all right.

The steam ship Havel sailed for Europe on May 3. This announcement, of itself, would be of no special interest were it not for the fact that the smiling countenance of Mr. Harry Bayersdorfer was seen blooming radiantly among the passengers. Harry goes for "novelties." He has a host of friends who will wish him every success.

E Koffman will open a depot for his own specialties at 52 West 29th street as soon as necessary alterations are completed—probably about July I. His avowed intention is to sell for cash only; no money, no flowers.

The Paterson florists have appointed a committee to wait upon the city government and protest against the peddling of plants through the streets by outside parties without paying any liceuse.



A STREET CAR ADVERTISEMENT



RANGE OF GREENHOUSES ERECTED FOR MR. P. BRADLEY, AT HINGHAM, MASS., BY HITCHINGS & CO.

Mrs. I. Fosterman, of Newton, was married to Mr. Chas. Aishmann on Saturday, April 23. Mr. and Mrs. Aishman will reside in Brooklyn.

Robert Simpson will start in business for himself at Clifton, N. J., on the first of July.

Harry A. Siebrecht, Jr., is confined to his home by a severe bronchial trouble.

R. Wenham has removed from 359 Fifth avenue to 432 Fifth avenue.

P. Vos sailed for Holland via England April 30.

#### Philadelphia.

THE QUAKER CITY EXPERIENCES A WEEK OF QUIET.—ROSES IN DEMAND.—APRIL WEATHER.—PLANTING OUT TIME.—NOTES.—THE PLEONY SYMPOSIUM POSTPONED UNTIL JUNE.—THE MAY PICNIC.—LITTLE BEAUTY FUCHSIA.

Planting out season has arrived and all bedding plant men are busy. Roses are in good demand, and as the season grows warmer the eall for this class of stock promises to be excellent.

April passed out with a chill that gave a fright to growers who had young violets, carnations and other plants set out in the field. Although there was a severe storm of sleet and the mercury touched the freezing point, little damage seems to have been done. All danger now seems to be past.

Business in the stores is gradually dwindling to a summer basis, and customers are leaving orders daily to call for plants to be kept over the summer. Flowers are plentiful enough although the cold spell of last week threatened the crops for the time being. Beauties jumped in price, and those that were begging at from \$1 to \$2 per doz. readily brought from \$3 to \$4. Other kinds of flowers were in better supply, and prices remained

about the same. Sweet peas are now quite plentiful at \$1 to \$1.50 per hundred; carnations at \$1 to \$2. The most popular kinds in this market are McGowan, Scott, Tidal Wave, Portia, Cartledge and Eldorado. Many others have come and gone since these favorites were introduced, but they are still the leaders. Victor and Flora Hill promise to be in favor next year.

George Faulkner, with Jos. Kift & Son, enlisted for the war, and is with his company of the State Fencibles. He is, as far as we have heard, the only soldier of the craft in this city to join in the nation's defense. Two men from the Dreer Nurseries, at Riverton, have volunteered, and no doubt many more will be found in line if another call should be found necessary.

Wm. Scott, of Buffalo, and his son, accompanied by Wm. Christenson, visited us this week. Mr. Scott is the Buffalo Bill of the flower business and is as popular in his sphere as is Col. Cody on the western ranches and among eastern show goers.

The May meeting of the Florists' Club Tuesday evening was quite well attended, the number present attesting the interest taken in the pæony, which was the subject for discussion. Mr. Joseph Heacock, who was to read an essay, was, however, nnavoidably absent, therefore the pæony symposium will be held in June, when there will also be a display of the cut blooms.

The benefit at the Walnut Street Theater on May 11 promises to be very successful as many tickets have been sold, a second allotment having been obtained to supply the demand.

The May picuic is to be held at Wissanoming on the Gun Club grounds, on May 25. A Maypole dance is to be the feature, or one of them, for we hear there are to

be several. There is to be a feast with plenty of all sorts of good things to eat and drink; a shooting contest, games and trials of skill in which all may take part. Tickets are \$1. If it rains on the 25th the pienic will be held on the week following.

ing.

Mr. Lonsdale exhibited at the club meeting a few very pretty plants of fuchsia Gracieux. This was raised and sent out from France, but when it reached this country it was re-christened Little Beauty. It is quite dwarf and carries a quantity of flowers with red sepals and blue corolla.

K.

#### Boston.

ELEVENTH ANNUAL SUPPER OF THE GARDENERS' AND FLORISTS' CLUB.—A NOTED VISITOR.—THE HAVES AUCTION.—DEATH OF J. F. C. HYDE—IMPROVEMENTINTRADE.—SUPPLY AND DEMAND.—PERSONAL MENTION.

A very gratifying improvement in business is noted in all directions. As to the permanency of the recovery from the recent debility differing opinions are expressed, but all are glad to take as much benefit out of the present turn as possible. White carnations have struck a lively gait and there are not enough of them to meet the demand even at the figure of \$3 per hundred for extra good flowers. Violets are rather weak as to demand, but are firm in price when of good quality. Lily of the valley has braced up nicely; so have longiflorum lilies and callas. On the other hand, tulips and daffodils, having reached the outdoor blooming season, are more noticeable as to bulk than value. Smilax continues scarce; those who want it have to pay a good stiff price, and are not expected to make any remarks regarding its length or thickness. The plant trade is approaching its height, and only waits

for a cessation of the present cold, rainy weather. This week will about end the planting season in the nursery business, and seldom is it stretched out over so many weeks as in the present instance.

The eleventh annual supper of the Gardeners' and Florists' Club was held at Horticultural Hallon the evening of May 3, and was a very enjoyable affair. There were nearly 100 in attendance, the majority being young men. Some pretty plants and vases of blooms graced the tables and an orchestra furnished music.

On the head table large vases of the rival searlet carnations, Wellesley and Bon Ton, blinked defiance at each other and found their reflection in the blushing countenance of President George Anderson as he rose at the conclusion of the feasting and placed A. P. Calder in charge of the post-prandial programme. Mr. Calder was characteristically fluent and with anecdote and well-turned phrases soon had his audience in good humor to listen attentively to the veterans, Fred L. Harris and John Galvin, who were the first called upon. Lawrence Cotter, Warren Ewell and other local lights preceded the guest of the evening, Peter Barr, of Covent Garden, London, the renowned "Narcissus King," who wears the Victorian medal and whose genial countenance and fraternal handshake are an inspiration.

Mr. Barr pleaded inability to make a speech, and asserted that this peculiarity had carned for him at home the title of "Peter the Silent," but he spoke of how much he had enjoyed his sojourn in Boston and referred hopefully to the prospects of a closer unity among the English speaking peoples of the world, while the little American flag which adorned his buttonhole seemed to nestle close, as though it realized that it had discovered another staunch friend.

George Spaulding and Joe Mahan were the musical stars of the occasion and acquitted themselves with great credit. It is now in order for the young men who are not members of the club to come into line and give their allegiance to the organization the existence of which made it possible for them to enjoy so pleasant and profitable an evening.

The auction sale of plants at Oakmont, the F. B. Hayes' estate, which took place last Saturday, did not develop much competition and prices realized were very low. The big rhododendrons which have received so much admiration when in bloom under the big tent every spring were disposed of with ditheulty.

1.1. C. Hyde, who was president of the Massachusetts—Horticultural—Society from 1867 to 1870, and always an active supporter of that organization, died at his home in Newton, on May 2, aged 75 years—Mr. Hyde was the first mayor of the city of Sowton.

Lackson Dawson is suffering from a severe rold and unable to leave his house.

#### Chicago.

MAPERIC DISTRICT OF THE AND AND MAPERIC DISTRICT OF THE OF THE AND MAPERICAN OF THE AND MISTARD OF THE AND M

The past week has been one of decided dullness alt along the line. The clouds weather which we have experienced, to gether with the care extendent, general nowing and house cleaning have combined to depress the retaleutificaer trade to a point seldom it ever reached at this season of the vents gone by. Before the coul, damp weather set, in there was a good demand for small shrubs and the early spring stolling plants, and pairs is

and daisies sold remarkably well, but the bad weather has materially reduced this class of trade.

Many flowers are being shipped out of the city, but at greatly reduced prices. There is a superabundance of all kinds of stock. Among roses Meteor is least plentiful, with Bride following in this regard. All short-stemmed Beauties are sold at some price, while extra select long stemmed stock will not go at \$1.50 to \$2 per dozen. Longiflorum lilies bring from \$2 to \$5 per 100; out-door grown lilv of the valley fetch from \$1 to \$2 per hundred; common roses command from \$1 to \$4 per 100 tor extra select stock; carnations bring from 40 cents to \$2 per 100, with a few extra selects commanding \$3.

E. H. Hunt was at his store Wednesday for the first time after several weeks ill-

Flint Kennicott returned to-day from West Baden, Ind., and O. P. Bassett will reach home from the same place on Sunday.

flerman Matti, a well-known North Side florist, formerly in partnership with Christ Muno, but lately with Wictor Bros., died suddenly last Saturday evening, of heart disease. He leaves a wife and one child, who have the sympathy of many friends.

L. H. Wise was in the city on Wednesday on his way home from Denver, Col., where for two years he has grown carnations for the Park Floral Co., to Newgestle Pa

Harry A. Stollery, grower for Stollery Bros., has taken a similar position with J. F. McDonough, of Newark, N. J.

Among the Chicago visitors recently were E. G. Hill, of Richmond, Ind.; N. J. Burt, of Burlington, Ia.; Mr. Boddington, of Chicas & Boddington Co., of New York, and Jacobus Keur, of the firm of C. Keur & Sons, bulb growers and nurserymen, of Hillegom, near Haarlem, Holland.

The wife of Frank Felke died Tuesday, May 3, leaving three small children. Frank is the voungest son of John and Mary Felke, and is with them out at Wilmette.

A. L. Randall went to West Baden, Ind., on Wednesday for a two weeks' rest.

#### An Ever-Blooming Chrysanthemum.

Schlegel's ever-blooming white chrysanthennum, as shown in the illustration, was grown by Robert Laurie, gardener to Cornelius Vanderbilt, at Newport, R. 1. These flowers measure from four to four and one half inches in diameter, and are from cuttings put in during the first week in February. The plants have bloomed ten weeks from the time the cuttings were started.

Mr. Laurie has made a trial of these chrysanthemums for the past two years, and says they are of easy culture and can be had in bloom at any season of the year, for once the flowers are removed the plants again branch from the bottom and bloom.

1. J. B.



SCHEEGEL S EVER-BLOOMING CHRYSANTHEMUM.

#### The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, A \$1.00 per inch. Cash with Order Agate:

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WE have received the report of the seventh annual meeting of the American Carnation Society, held in Chicago February 17 and 18.

A BUFF COLORED NARCISSUS was lately given an award of merit by the Royal Horticultural Society of England. This is quite a break in color among these flowers and may be the beginning of a new race.

Messrs. Hirchings & Co., horticaltural architects and builders, of New York, have under construction at the present time no less than twenty commercial or private greenhouses, located in nearly as many cities.

LORD & BURNHAM COMPANY, horticultural architects and builders, of Irvingtonon-Hudson, now have in course of construction a score of greenhouses and conservatories scattered from Massachusetts and New Jersey to Duluth, Minn., and Moscow, Idaho.

#### Cut Flower Price Lists Received.

W. A. McFadden, Cincinnati; H. L. Sunderbruch, Co., Cincinnati; Holton & Hunkel Co., Milwaukee; Bassett & Washburn, Chicago; Wm. F. Kasting, Buffalo.

#### Grafting Chrysanthemums.

An article in the Gardening World (English) gives an account of an interesting experiment in grafting. With an idea of changing the character of the flowers, the top of a plant of one variety was cut off and the bottom grafted into a plant of another kind, both being planted in one pot, the result being to produce a stem of one variety supported by short stems of two varieties, and nourished by two distinct sets of roots.

The experiment, so far as it influenced the character of the flowers was a failure, but it was noted that the plant was much strengthened and the size of flowers increased. It seems quite likely that this process may prove of value in growing exhibition blooms, especially of weak growing varieties.

#### Shading Carnations and Roses.

Ed. Am. Florist: You would oblige me by advising, in the columns of the AMER-ICAN FLORIST, as to the best material for shading rose and carnation houses, also when and how to apply same. X. Y. Z.

Until last season we always used white lead mixed with coal oil, but requiring a large quantity we found this to be rather expensive. We are now using a mixture of whiting with a little linseed oil added and mixed with coal oil. This fills the bill, but care must be taken not to get too much linseed oil in the mixture or there will be trouble in removing

it. It is best to apply a little first; allow it to dry and if a sharp rubortwo brings it off readily it is right for use.

Carnations should have been shaded a month or more past. An 8-inch strip down the center of each pane of glass will be ample, but it should not be too dense as the idea is to break the glare of the sun's rays and at the same time allow the plants as much light as possible. Light will never harm carnations where plenty of ventilation is available.

In regard to shading roschouses: With the weather we have been having so far this season there has been no necessity for shading. The only period of growth in which roses need shading is with old plants in mid-summer, when you want to prolong the crop. Shading should be removed as soon as young stock is started, and if any leaves are apt to become burned through blurs in the glass, go over the roof with a brush and daub the troublesome spots. As it is in summer and fall that we have to put the strength into our plants, we find clear sunlight to be their greatest requirement, the temperature being regulated by ven-

#### Greenhouse Building.

Quebee, Can.—J. T. Ross, conservatory. Duluth, Minn.—Geo. Spencer, large addition.

Cleveland, O.-C. Aul, greenhouse 20x70.

Newark, N. J.-W. Kraft, one rose house.

Nyaek, N. Y.-Depew Bros., one rose house.

Pittsburg, Pa.-II. C. Frick, large extension.

Omaha, Neb.-George A. Joslyn, large palm house.

West Hoboken, N. J.-E. G. Asmus, six rose houses.

Dover, N. V.-Mrs. H. D. Sherman, one plant house.

Albany, N. V.-Mrs. Dean Sage, one plant house.

New York, N. Y.-F. L. Loring, one eonservatory.
Westville, Conn.—Carl Rosien, rose

Milwaukee, Wis.-J. Breuss, one commercial house.

Summit, N. J.-Lager & Hurrell, orehid house 25x150.

Flushing, N. Y.-Thorne & Co., rose house 54x150.

Passaic, N. J.-P. Bannigan, four commercial houses. Muncie, Ind.-Jesse Carnes, office and

earnation house. Plainfield, N. J.—C. M. McCutcheon,

one plant house. Northampton, Mass.-H. W. Field, one

commercial house. Lewiston, Me-Ernest Saunders, one

commercial house. Northboro, Mass.-H. A. Cook, one

commercial house. Guelph, Ont., Can.-A. W. Alexander,

one conservatory. Dayton, O.—National Soldiers Home, palm house 50x100,

Youngstown, O.-E. Hippard, carnation house 35x100,

Woodside, N. Y.-Victor Dorval, earnation house 25x108.

Hillside, Pa. - Adolph Fahrenwold, three houses 20x120.

Short Hills, N. J-Thomas Jones, earnation house 18x100.

Seabright, N. J.-II. L. Terrell, range of palm and greenhouses.

Stoughton, Mass.-F. L. Rumney, commercial house 25x150.

West Derry, N. H.-Mrs. L. F. Cullen. one commercial house.
West Haven, Conn.—Thomas Pattison.

carnation house 20x65.

Tuxedo Park, N. V.-C. B. Alexander. greenhouse and grapery.
Westhampton, N. V.-W. F. Jagger, two

earnation houses 18x100. Lancaster, Pa.-Landis & Co., 10,000

feet of glass for earnations. Wissahickon Heights, Pa.-C.W. Henry.

large private conservatory. Jewett City, Conn.—A. A. Young, Jr., one carnation house 20x6.

Germantown, Pa.-J. W. Young, two commercial houses, 21x100.

Toledo, O.-Crane Brothers, four com-

mercial houses, each 30x250.

Lancaster, Mass.—E. V. R. Thayer, grapery and nectarine house.

North Easton, Mass.—John McFarland, one commercial house 27x175.

Fairfield, Conn.-O. G. Jennings, large palm house, potting shed and office.

Riverton, Pa.-H. A. Dreer, eight modern houses to take place of old block.

Philadelphia, Pa. - Myers & Sarntman, house 24x170 for American Beauties. Braintree, Mass.-G. H. Arnold, one

three-quarter span greenhouse 35x70. Leavenworth, Kas.-Kirkpatrick Bros.

rebuilding greenhouses destroyed by fire. Milwaukee, Wis.—Mitchell park, one conservatory, from plans of IL C. Koch & Co.

Chestnut Hill, Mass.—II. Dumaresq. grapery, nectarine house and violet house.

Moscow, Idaho.-University of Idaho. large greenhouse for experimental purposes.

Bridgeport, Conn.-Samuel Swan, one conservatory; T. W. Weathered's Son

Glen Cove, N. V.-F. G. Mense, commercial house 20x150; two violet houses 10x150.

Linden, N. J-Walter Luttgen, one three-quarter span and two even span greenhouses.

Madison, N. J.—Henry Hentz, Jr., five rose houses 20x175; one propagating house 9x175.

New Haven, Conn.-S. T. Bradley, carnation house 16x70. J. E. Hubinger, one conservatory.

Newburyport, Mass.-E. W. Pearson, one commercial house. J. J. Comley, two commercial houses.

Flatbush, N. V.—Dailledouze Bros., two earnation houses 22x200. Alfred Demeusy, one greenhouse 20x133,

Elmira, N. Y.-Fred La France, 1,000 feet additional glass. Grove P. Rawson, two violet houses 200 feet long.

Bloomington, III.—Bloomington Ceme-Ward Service and Service W. T. tery Association, greenhouse. Hempstead, commercial house 20x60.

Ashtabula, O.-Dunbar & Hopkins, two greenhouses 24x125. Ashtabula Greenhouse Co., two greenhouses 22x140.

Spuyten Duyvel, N. Y-Thomas Douglas, rose house and grapery, each 20x75; T. W. Weathered's Son huilder.

Sharon Hill, Pa.—Robert Scott & Son, four carnation houses 21x200 with 6-foot propagation house beside each. F. II. Bull, range of greenhouses.

North Easton, Mass,-Oakes Ames, one conservatory consisting of center house for palms, two wings for orchids and laboratory for experiments.

Providence, R. L.—Fruit Hill Greenhouse Co., two commercial houses each 400 feet long. Butterick Pattern Co , two green houses, each 200 feet long.

Worcester, Mass.—II. F. A. Lange, 10,000 feet of commercial houses. II. F. Littlefield, one commercial house. Denholme, McKay & Co., one conservatory.

Chicago, Ill.-Wietor Bros., five rose houses 30x120. Julius Ristow, two rose houses 21x150. Herman Bauske, five rose houses 21x260. Magnuson & Pearson, one greenhouse 20x125. George Reinberg, six houses 21x265 for American Beauties. Peter Reinberg, six greenhouses 21x265.

Louisville, Ky.—C. II. Kunzman, two rose houses. Nanz & Neuner, rebuilding three rose houses, one 24x100 and two 19x100; also new range of violet houses. George Schultz, rose house 20x100, J. E. Marrett, four greenhouses 20x100. Coenen & Bohrman, new forcing houses. F. Walker & Co., two foreing houses 20x150. Anchorage Rose Co., house

#### Violet Culture.

In my last article on violets I described our method of field culture and benching. A few brief notes on the details of our method of growing the plants where they are to bloom should now follow in order

to make my notes complete.

We grow only 1,000 plants in this way. The two houses in which we plant this number are 11x80, of equal span and built together without partition. The roofs are of common hotbed sash with 8x10 lights facing the east and west. The sashes on the west side are six feet long, while those on the east side are only five feet long, leaving a space one foot wide the whole length of the houses, which is covered with pine boards six feet long hung on hinges and used as ventilators. Both of these houses are heated by two flow and two return 4-inch hot water pipes, connected with the general heating system and controlled by

valves as needed.

The solid bed is 8x75 and is situated partly in both of these houses, the center of it being directly under the gutter, extending four teet in each house, leaving a walk and a bench on the west side of one house and on the east side of the other. The last week in May or the first week in fune we prepare this bed by removing enough of the old soil so that we have a depth of six inches to be refilled with fresh loam, in which has been previously incorporated a sufficient quantity of well rotted manure. We either allow this loam to settle for a few days or tamp it with our feet before planting. The bed is then laid out in five rows in each house with 100 plants in each row, giving us 1,000 plants in equal distances of about 839 inches

The plants that we use for this purpose have been raised for the last two years from cuttings selected from plants that had a tendency to make only a very few runners, and have been grown in the same manner as described in my former article. As soon as they have established them relyes we remove the sashes from the east ride of the houses, the sashes on the west side being kept on all sommer and shaded This practice of leaving the sashes on the west side has given the best results, but why I am not prepared to say, and while I have a the as and the facts seem to bear me out as to the correctness of my conclusions. I besitate to state the same for fear that I may be wrong.
The summer bads and runners are

packed off and the ground stirred up after each watering which keeps the plant free from weeds. This is followed up until the plants cover and completely shade the ground. So do not feel the plants

during the summer, the fertility of the loam being sufficient for a healthy growth; but as soon as the blooming season arrives they are watered with liquid The sashes are replaced when manure. the benches have been planted, and the houses are regularly attended as to ventilating, watering and temperature.

This mode of culture has not given us any more or better flowers than the one described in my former article, while the cost of production is certainly higher. l cannot help but urge upon every grower to test for himself the general principles and different methods of growing violets. The question of the best method can only be solved locally, as the general results are conflicting in the different parts of the country, and I repeat that the best way to grow violets is the one where the cost of production does not exceed the price of the product, but leaves the largest margin for profits. CHAUTAUOPA.

#### A Drummer's Twaddle.

At Utica, N. Y., recently much pleasure was mingled with our business by the cordial character of the florists of that interesting city; genial Peter Crowe, with the same kindly greeting as of yore, had his latch string out and interesting things to show us about his well kept establishment. Of more than ordinary interest to the florist were some plants of Adiantum cuneatum Bardii, the original of which Mr. Crowe found growing on the wall of his fernery.

This is a most distinct form, with stems 20 to 26 inches long, so firm and wiry as to need no "stemming" in using for designs, the fronds of a deeper and richer green and tully as graceful as those of A cuncatum; for use with long stemmed roses it is especially valuable; quantities of it are shipped weekly to Boston, New Vork and Syracuse; but Mr. Crowe's main object is to work up a stock for dissemination among florists as soon as ready, and we know the craft is waiting

for it.

C. F. Seitzer had a kindly greeting, and sensibly attested his appreciation of the AMERICAN FLORIST by flattering words and a subscription when he learned that he was the only one in Utica out of the fold. F. E. Shaw, in his tasty store, felt at peace with all mankind, and was rubbing his hands with satisfaction at the present trade and future prospects. No pent up Utica can restrain his powers" as one of the progressive florists of the east. J. C. Spencer was industriously disposing of orders crowding upon him, but he had time to treat us well. Humorous Frank Baker from his throne a sent on the counter-regaled us with

his wittleisms, and enriched our experience very pleasantly, not forgetting a little order to "let us down easily," nor to pronounce his benediction on us as we went forth again on our everlasting

At Rome, S. Y., we met C. B. Humphicy, at his snug and tidy greenhouses, congratulating himself on the completion of a gas well on his premises, so that now a coal bill bath no terrors for him, as gas in sufficient volume is at hand to supply tuel for heating his place E. J. Byam, at the Labraty Greenhouses, recently built, was full of interest in his new business, and already has all be can attend to. Mr. Hughes, superintendent for Mrs. Morris F Jones, is carrying on for her a most morsstol business, and appearances of woldings and stock attest his skillful ed exceful management.

At Stracuse, N. V., we found P. R.

Ouinlan full of cares, and in that wrapt condition indicative of a man who has more than one iron in the fire; but Mr. Quinlan does not wear the clouded brow which many busy people have, and has always a gentlemanly and good-sense greeting for callers who know how to talk business without useless and com-mon-place verbiage. Modest "Bobby" Bard superintends Mr. Quinlan's green houses with remarkable efficiency, and besides knows how to cheer and entertain the pilgrim who is so fortunate as to meet him; the craft, also, is much indebted to "Bobby" in more ways than one, although you could not get him to say it. At Henry Burt's we found the proprietor busy, but with cordiality to spare, and he more than went out of his way to make our hurried visit agreeable. At his attractive store, his assistants were busy and trade lively.

Jumping to Buffalo we found Wm. Scott in the throes of removal to his new location at 546 Main street, on the right side of the street, and he gets on the right side of his customers also by this improvement in space and facilities. Scott's purpose in life is ever to move onward and upward and to become stronger -indeed there is nothing too strong for him-and while he indulges in gentle facetiousness regarding the guileless drummer we forgive him for he always has a drop of consolation, a cheery greeting and a plum of an order for every one who comes along. His place at Corfu suburb was started to grow the excess of stock which this practice yearly loads him up with, but like the darkies' gig of 4-11-44, which comes out once a year, Scott bits it with these plays and the blessings have returned tenfold.

Wm. Bucchi has started a Holland on a small seale at his place out on Genesee street, growing hyacinths, tulips, parcissus, fily of the valley, etc. We believe William is arranging to introduce general bulb growing into this country. Baumer Bros., a new firm of florists, have started at Pine Ridge, having purchased a good sized place, creeted four new greenhouses and a fifth one going up next month. One of the Messrs. Baumer has worked 21 years for Geo. Urban, and if the same skill and industry follows the firm which characterized Mr. Baumer's long apprenticeship they are bound to succeed.

We have been asked by several florists who want to grow the Crimson Rambler rose for next Easter how to manage for that end. Verbally, we have explained what we know, and for the benefit of those who have not succeeded with this plant, we advise to start good plants now in 6 inch to 8-inch pots, to grow through the summer cutting back all but four or five shoots, ripening off the stock October 15 to November 1. Starting plants again about ten weeks before wanted in bloom (Easter Sunday occurs April 2 next year), grow for the first two weeks in a temperature of 40 and the balance of their season at 50 to 55°. If good plants can not now be obtained from American aurserymen, say good strong 4 inch, or better still, dormant nursery grown plants, secure them early in November, pot at once and keep in a cool frame until time to start; these plants require more cutting back than they do by the former method, say onethird of their beight, but are grown, of course, during the ten weeks the same as the others. These directions followed out, with mildew and vermin looked after, will afford flowering plants at the proper season Buffalo EDDY.

#### Milwaukee.

GEORGE VOLK'S SAD CASE. - DEPARTMENT STORE METHODS OF ROSE SELLING. ROSE SCRATCHES AND OTHER NOTES.

Geo. Volk, who has been ill for some time, became violent last Thursday and was taken to an asylum for treatment. He has been suffering from indigestion for a long time and that, with insonmia, caused largely by over-work, destroyed his nervous system. Mr. Volk's business has been carried on in connection with J. M. Fox's grocery store, the arrangement being something on the order of the department store. Mr. Volk furnished the stock and Mr. Fox did the selling. It is to be hoped that Mr. Volk will recover shortly.

Several florists are suffering with sore hands, caused by scratches from roses, which it seems are poisonous. The scratches become inflamed and fester, in some cases resulting in blood poisoning. The same trouble occurred here a few

years ago.

The weather has been cool and damp for this time of year, but appears quite favorable for the perfect development of the forsythia. They are completely cov-ered with the large yellow bells and are particularly conspicuous in yards where the house is of red brick.

Narcissus princeps has proven a successful crop for outside growing. Those planted in south exposures come earliest. The double varieties are not popular.

Flowers have not been plentiful lately and living prices have prevailed.

Gimball Bros., the largest department store, had a sale of imported roses last week. It was two-year, grafted stock and sold at 15 cents, two for 25 cents, or \$1.25 per dozen. The store furnished printed directions for planting. They must have sold more plants in two days than all the local florists handlein a year, and florists have more bother and lose more time in dealing with a customer who purchases one dozen than Gimball Bros. had with the whole business.

The preparations for the June flower carnival are still talked about in the local papers, but we hear of no preparations

being made by florists.

The Milwaukee Florists' Club is in a dormant condition. There has not been C. B. W. a meeting in four months.

#### Rochester, N. Y.

An unusually heavy demand in funeral work was the principal feature for the work was the principal leature for the week past; the very abundant supply of flowers in the market was none too great, especially in white. Everything in this line was readily disposed of, but prices have been, and are yet, rather low. White flowers are likely to be short in supply the a week or so and prices may go up if the demand should continue. The mild, sunny weather brings out roses and carnations very fast, therefore it is not expected that a rise would be enduring.

Florists are busy planting out their carnations and violets. The ground has been in fine condition for several weeks and is kept in shape by an occasional light rain, insuring a good start to the little plants. Even those which are planted out from flats have not suffered in the least, for we have had no hot or bright days nor drying winds so far.

The plant business continues good. A few azaleas are yet to be seen in the store windows. So are kalmias and rhododendrons, though the hydrangeas are the plants which, at present, sell best of all. Bedding plants are now offered in variety, and many of the grocery stores

keep them on hand. Prices are ridiculously low, and there is but little profit in theni.

I. W. Keller is now settling up his accounts, intending to leave the commission business. He is the only wholesale florist in town and is very popular among the boys, but is, perhaps, a little too big-hearted for this peculiar branch of the J. B. K. business.

WINCHESTER, IND.—George St. Meyer has sold his greenhouses and will join the army to fight the Spanish.

BERKELEY, CAL.—The Berkeley Floral Society's annual spring flower show was held April 28 to 30 and was the most successful on record. The University of California exhibited numerous rare plants and flowers from its gardens and greenhouses, but the special feature was the display by George Tyler, of Alameda, Cal., of 275 varieties of pelargoniums. The show was in charge of W. C. Blasdale, W. H. Smythe, Col. Greenleaf and Mrs. W. S. Wattles.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted onder this head.

Every paid subscriber to the AMERICAN FLORIST for the year 18% is entitled to a five-line want adv. free to be used at any time during the year.

OlTUATION WANTED-By married man on private place; well posted on in and outdoor culture; 30 years' experience. Good references. Address Box 231, Lake Forest, Ill.

SITU ATION WANTED-By English florist: grower fine roses: carnations, 'moms, violets, etc.; disengaged; 20 years experience, best references. W G. Box 547, Alliance, O.

O'ITUATION WANTED—In commercial place by single man, age 30; grower of roses, carnations, mums, violets, valley and general stock. References. FREDERICK HILL 207 W. Seneca St., Oswego, N. Y.

SITUATION WANTED—By experienced and successful rose, carnation and violet grower, and all choice florist stock. Wages moderate; married. In or around Chicago. Address

J.P., care American Florist.

SITUATION WANTED—By a first class grower of roses, mums, carnetions, violets, tomatoes, cucumbers and other plants Best references; married, F. F. RENTZ.

7 Bitnerville, Lancaster City, Pa.

SITUATION WANTED-By a flort of executive ability and references in both lastide or outside work, propagating, etc., who desires to make a change in position, either private or commercial. Address B. Meier, Sewickiey, Allegheny Co., Pa.

SITUATION WANTED -By experienced dorlst, mar-ried (no children), middle age; eliber private or commercial place; understand ralsing general stock, greenbouse boiloing and stemm diting. Address FLORIST, 5739 Enston Ave., St. Louis, Mo.

WANTED-Greenhouses to rent by responsible flo-rist; country town preferred Address. FLORA. care American Florist.

WANTED-Catalogues of seeds and florists' suplements.

D. Moskovsky, S. A., Ujhely, Hungary.

WANTED-First-class grower to take charge of a section of rosehouses. Address WIETOR BROS. 51 Wabash Ave.. Cblcago.

WANTED AT ONCE—An all-round, good florist, single; \$18 to \$20 per month, with board and room.

JOHN D. BUSCH, Elgin, Ill.

WANTED-Three or four first class men for work-ing in palms and stove plants. Wakes no object to right man. Send copy of references. Address SP 11, care American Florist.

WANTED AT ONCE—Good florist for general green-house work. Wages \$20 per month with board, and lner ase when satisfactory. HILI SDALE FLORAL PARK, Hilledale, Mich.

WANTED-Phot graphs of gardens and plans; also specimen plants hardy and otherwise. Send price and particulars to BURTON, care W. J. Stewart. 67 Bronnield St. Boston.

WANTED-As working foreman, a good rose grower on commercial place near Philacelphia, Pa.; must be sober, reliable and capable of taking charge. Wages 830 a month. References. Address A, care American Florist.

WANTED AT ONCE-Man for general gardening, especially understanding care of lawns, shrubbery and putting out bedding plants. Young man preterred. Address.

E. 1. B. P.O. Box 101, Northeast Harbor, Me.

WANTED—An experienced propagator and plantsman. One accustomed to hard and soft wooded plants, where a great many are grown for a catalogue trade; must be a hustler; no drinking man wanted, Apply with references to JAMES SOUDEN.

Foreman for L. L. May & Co. St. Paul, Minn.

WANTED—A good rose, carnation and violet grower as a working man to take charge of a commercial place; to a rellable, steady man, permanent position; maried man, small family, age 25 to 35, experienced. Send references, stating wages, with house, Address L, 256 Main St., Poughkeepsie, N. Y.

FOR RENT-For greenhouse purposes, 32,700 square feet on Michigan Ave. Long lease and low rental. Room 922, 184 La Salle St., Chicago.

FOR SALE-Greenhouses on principal street in the city. For particulars apply to J. H. REBSTOCK, 584 Main St., Buffalo, N. Y.

FOR SALE—One Hitchings boiler No. 16 in fair order. Will be sold low.
THE FLORAL EXCHANGE. 614 Chestnut St., Phila.

POR SALE—Florist's single covered wagon; height about 5 feet, width about 4 feet, length about 74 feet; built to order, costing \$250. Used but 2 years. Will be sold chesp for cash.

VAUGHAN'S SEED STORE, BOX 688, Chicago.

POR SALE—The greenbouse establishment of Schiller & Kuske, formerly Schiller & Mallander, Is offered for sile at a great serifice; \$800 will buy 218-20 scres of valoable ground, 25 greenbouses, comprising 56 000 aquare feet of glass; wells, 2 nice dwelling houses, sheds, etc., located in the village of Niles Center, about 12 miles from the heart of Chicago; 15-cmles to depot. Terms, \$5500 cash, balance on time; investigate Address correspondence to Pochimann Briss. Morion Grove Cook Co., Ill., or Herman Schiller, \$20 W. Madison St., Chicago.

#### WANTED-TO BUY OR LEASE.

About 5 acres of land with glass and house within 10 miles of Boston. The land must be good rich loam; on a main line preferred Particulars to

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Greenhouses in one of the best cittles in Wisconsin, A good investment and a money maker for a bustler. Owner must retire on account of poor health. For particulars write.

A. LEUBNER, Wausau, Wis.

#### SITUATION WANTED

by florist and gardener; pilvate or comme civil place; near Boston preferred. Ten years thorough experience in growing ross, carnations violets and general florists stock. Four years steady at present place as foreman; go dd maker-op and seller. German, single, 25 years old; 7 years in America. Honest, sober and steady. Best of references. Gnod wages expected. Ready May 2d. Address. H.S. care Am. Florist.

#### WANTED

PARTNER with \$800, in an established business of 30,000 feet of glass; one who thoroughly understands raising roses, carnations, palms and all kinds of bedding plants. Married and middle aged man preferred. The establishment is in the principal part of the city and doing a very good business; good chance for the right man. Address C. E. T., care American Florist.

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Offer for sale their greenbouses, 20 in number, with complete heating plant, covering about 3 acres of ground, with all stock and good will of the business; will lesse ground on fair rentsi value long as wanted. Established irade for over 35 years; this is an opportunity of a life time to buy a good established business. Also have a large retail store opposite the post office. Apply to

Leon L. Hull Real Estate Co. ST. LOUIS, MO. 804 Chestnut St.,

### FOR SALE OR RENT

VERY CHEAP.

Lotter for sale or rent my undivided init interest of the real estate of the greenhouse property formerly known as Schiller & Mallander situated in the village of Niles Center, abut 12 miles from busine-s center of Chicago and 1½ miles from Monton Grove R R. Depot. The property consists of 28 greenhouses, 2 dwelling houses, barns, wells and necessary sbeds on 212-20 agrees of fand inv. stigate Price for undivided half, \$4.500; terms \$1.000 cash, balance payable in seven enrly installments, secured by morigar's notes bearing 6 per cent. Interest, Or will rent o lease to some responsible party for a term of years st an annual rental of \$4.50.00, giving option to lessee to buy my interest for above struce price, provided that said lesses will may 6 repairs the first year to the extent of \$1.000. Will acquire deed to property May 18. Address

#### MRS. B. KUSKE.

Care Poehlmann Bros., Morton Grove, Cook Co., III.

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| " Gontfers, Perles 1.00@ 3.00                |
| " La France. Testout 2.00@ 4.00              |
| Carnations. common                           |
| fancy 2.00@ 3.00                             |
| Violets 40@ .75                              |
| Narcissus Poeticus                           |
| Harristl, Callas 2 00@ 5 00                  |
| Lily of the valley 1.00@ 3 00                |
| Tulips                                       |
| Sweet peas                                   |
| Gladioli 6.00 a 8.00                         |
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eenhouse and Residence, Hinsdale, III. Long Distance Phone No. 10.



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Consignments Solicited. Telephone, 260 38th St.

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600,000 feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. We Are Headquarters for line American Beautles. Give us a trial and convince yourself. I start at the start of the convince of the start o



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| Meteor            |    | <br> | 3 00 25,00     |
| Bride             |    | <br> | 2 50 22,50     |
| Bridesmald .      |    | <br> | 2.50 - 22.50   |
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| stelle Slehrecht. |    |      |                |
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|                 |   |  |  |    |   |    |    |    |    |      |   |   |   |      |   | ı | н. | •   | 1      | 13( | 1  | per 1000 |
|-----------------|---|--|--|----|---|----|----|----|----|------|---|---|---|------|---|---|----|-----|--------|-----|----|----------|
| Wm Fentf        |   |  |  |    |   |    |    |    |    |      |   |   |   |      |   | Ī |    | 8   | 2      | O   | () | \$20.00  |
| McGowan         |   |  |  |    |   |    |    |    |    |      |   |   |   |      |   |   |    | . : | $^{2}$ | b   | 0  | 20,00    |
| Koldnoor        |   |  |  |    |   |    |    |    |    |      |   |   |   |      |   | į | ,  |     | 2      | 6   | 11 | 20,00    |
| Day brenk       |   |  |  |    |   |    |    |    |    |      |   |   | ı |      |   |   |    |     | 2      | á   | 0  | 20,100   |
| Lizzle Gilb ect |   |  |  | ĺ. | ı |    |    |    |    | <br> | Ī | ì | ï |      |   |   | i  |     | 2      | b   | () | 20,00    |
| Emma W cher     |   |  |  |    |   |    |    |    |    |      |   |   |   |      |   |   |    |     |        | ò   |    | 20 10    |
| Go dffreh       |   |  |  |    | i | ì  |    | ì  |    |      |   |   |   | <br> |   | ì | ì  | . ' | 2.     | á   | 4) | 20.00    |
| Bridesmidd      |   |  |  |    |   | Ì. | ٠. | ٠. |    |      |   |   | Ī |      |   |   |    |     | 'n     | å   | 0  | 20.10    |
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| Flora 1001      |   |  |  |    | Ĺ | ï  |    |    |    |      | Ċ | Ĺ | ì |      | Ċ | ì |    |     | Ď.     | 0   | () | 40.00    |
| Maxie Placen    |   |  |  |    |   |    |    |    |    |      |   |   |   |      |   |   |    |     | ŗ,     | a   | 41 | 30.00    |

REINBERG BROS., 51 WABASH AVENUE, CHICAGO.



#### M. A. HART. Commission Dealer Cut Flowers. 44 WEST 29TH STREET,

NEW YORK CITY.

THE BEST MARKET IN NEW YORK. 'Phone 1307 38th St.

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Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

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# FRED. EHRET.

No. 1403 Fairmount Avenue,

PHILADELPHIA. Telephone, Long Distance.

### Wholesale Flower Markets

NEW YORK May 1

| Mr. W TORK, may 4.                            |
|-----------------------------------------------|
| Roses Besutles. Rybrid 4 00@12 00             |
| Jacqs 4.00@ 8.00 Bridesmaids, Testout, Carnot |
| Bridesmaids, Testout, Carnot                  |
| " MOTESTA MELECT                              |
| Carnetions                                    |
| Lity of the valley                            |
| Sweet peas, per 100 hunches. 8 00@10.00       |
| Daffodils, Tulips (outdoor)                   |
| Violets                                       |
| Harristi, Callas                              |
| Smilax                                        |
| Asparagus 40.00@50.00                         |
|                                               |
| Boston, May 4                                 |
| Roses, Beauties, Brunners 5 00@15.00          |
| " Morgan, Meteor 1 00@ 4 00                   |
| " Brides, Bridesmaids, Carnot 2 00@ 6.00      |
| Carnetions                                    |
| " fancy 2.00@ 3.00                            |
| Lilv of the valley 2.00@ 3.00                 |
| Daffodile, Tulips (outside) 50@ 1 00          |
| Violets 50@ .75                               |
| Herriell, Calles                              |
| Agnaragus 50.00                               |
| Smilax                                        |
|                                               |
| PHILADELPHIA, May 4.                          |
| Roses, Beauties, per dozen 3.00@ 4.00         |
|                                               |
|                                               |
| Carnations                                    |
| Lily of the valley, Narcissus 3 00@ 4.00      |
| Violets                                       |
| 11yacinths                                    |
| Harrish                                       |
| Sweet peas 1 00@ 1.50                         |
| 0-11-4                                        |

# LUDLOW ST. 7 PHILADELPHIA. PA

### John I. Raynor,

49 WEST 28th STREET.

-NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

**Record Breaking Carnations** ALL THE YEAR ROUND.

### THOS. YOUNG, JR.

\* \* Wholesale Florist

43 West 28th Street, New York.

WALTER F. SHERIDAN. WHOLESALE

#### ORIST.

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

### ose Growers

Will find a good market and good returns for their stock at....

JULIUS LANG'S 53 W. 30th Street. - NEW YORK.

Edward C. Horan.

34 W. 29th Street, NEW YORK. WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.

Price list on application.

WM. C. SMITH, Wholesale Florist

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders

Long Distance Telephone 5008 A.

#### 9 Chapman Place, 15 Province Street, CITY HALL CUT FLOWER MARKET, BOSTON, MASS.

WELCH BROS., PROPRIETORS. Consignments from regular growers assigned separate space in oor market. We goarantee payment for all Flowers soid. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

#### J. K. ALLEN. Wholesale Florist.

WHITE VIOLETS, fluest quality. EXTRA ROSES and other desirable specialties.

57 West 28th Street,

Long Distance Telephone 382-38th St NEW YORK.

#### GALVIN&CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS. Cut Flower Consignments Solicited. Best market.

#### GEORGE A. SUTHERLAND, **Cut Flowers & Florists' Supplies** WHOLESALE.

67 Bromfield St.,

BOSTON, MASS.

JOBBERS IN

wnoiesale Florists ALWAYS ON HAND: CARNATIONS.

Horticultural Auctlopeers. HAWLEY STREET, . BOSTON.

#### JOHN YOUNG, ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock. NEW YORK. 51 W. 28th Street. Price list on application.

FRANK MILLANG,

TIT FLOWERS.

WHOLESALE COMMISSION.

408 E. 34th Street.

Cut Flower Exchange.

NEW YORK.

#### Decorating.

In the Easter number of the AMERICAN FLORIST we are given illustrations of decorated plants and flower pots. Shades of Flora preserve us! To what are we coming when the decorative must be decorated? We have had the tissue paper craze with all its horrors; curtains and dressers, and lamp shades, etc., etc., have been bedecked and swathed in it, and impossible flowers of every description have offended our artistic sense, and now that its star is in the descendent, it has attacked our darlings of the greenhouse.

What have they done that such indignity should be heaped upon them; they who have occupied the highest place in decoration are to be decorated, to have a wardrobe with petticoats and sashes, trills and furbelows. Who knows but each plant will yet own a Saratoga trunk, and should the idea be carried out still further into the garden our trees will be wearing gowns and trousers with dressmakers and tailors employed especially for them.

In the name of all that is beautiful, graceful and artistic I protest.

THEODOSIA B. SHEPERD.

SPRINGFIELD, MASS.—John Aitkin, aged 58, died at his residence, 99 Marble street, on April 30. Mr. Aitkin has conducted a florist's establishment on Main street for the past six years.

# No. 60. \_\_\_\_\_

if presented on any Tuesday or Friday during the spring season will entitle THE BEARER to a good comfortable seat at

### **CLEARY'S**

where he can purchase at his own figures anything and everything in plants, roots, trees and shrubs.....

Sales at 60 Vesey Street, NEW YORK, 11 A. M.
EVERY TUESDAY AND FRIDAY.

#### N. Y. GUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry. Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

#### HOLTON & HUNKEL CO.

HELLENSON TO

The Wisconsin Flower Exchange.
Fresh Cut Flowers, Florists' Supplies
Manufacturers of WIRL DESIGNS

Constronients Solicited

Phone Main 974

457 Milwaukee St., MILWAUKEE.

### Asparagus Plumosus Nanus,

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

### Wholesale Flower Markets

| Cincinnati, May 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Roses, Beauties, select                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| medlum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| " Brides Bridesmalds 3 00@ 4.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| " Meteors 4.00@ 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| " Perle 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Carnations 1 00% I 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " fancy 2 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Marguerites 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Harrish 8 00@10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Callas 6.00@ 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Smllax 12.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Adiantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Asparagus 50.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Om Yourse Man 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ST. LOUIS, May 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Roses, Beautles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Meteora 1.00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmaids, 1.00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1 01103 1.000 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BAINGTID I.UNG 1.UU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Carnations 1.00@ 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Carnations         1,00@ 3 00           Violets, California         .35           "double         .35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " dvuble35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lilv of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Harrisii 6 00@10 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Callas 5.00@ 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Smtlax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cashanita in the cash of the c |
| MILWAUKEE, May 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Roses. Beauties 10.00@20.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| " Bridea, Brideamaida 2 00@ 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| " Perle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " Meteors 2 00@ 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sweet peas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Lity of the valley. 3.00 Tultps, Von Slons. 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hyacinths 2 00@ 3 00 Callas Harrish 6 00@ 8.00 Smllax 12 50@ 15.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Callas Harrish 8 000 8 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2mllay 19 50/215 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Adjortum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Adlantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pansles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Common ferns. 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1rls 4 00@ 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BUFFALO, May 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Roses. Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rosea, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| " Perlea 3 00@ 4 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| " Niphetos 3.00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " Koloorin " 000 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " Kaiserin 3.00@ 6.00<br>Carnations, white and colored 1 00@ 2 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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#### Ghent Quinquennial Show.

An international horticultural exhibition has just been held (April 16 to 24) by the Royal Agricultural and Botanical Society of Ghent, Belgium, and was a very extensive and successful affair. The society is about 90 years old, and this is its 163rd exhibition, being the fourteenth international one, the latter exhibitions being held every five years.

#### Helpful Reminders.

If you have sown seeds of perennials as suggested weeks ago, they should now be transplanted in rows to the open ground and carefully labeled. They will be just right for fall or spring delivery. There are several perennials which are as useful for cutting as for landscape work, and these should be grown in larger quantities. Some of them are achillea, white, comes in when carnations are scarce; boltonia, pink, long sprays for vases; convallaria; coreopsis, a desirable yellow flower; larkspur, when blue is wanted. The florists are often called on for red, white and blue, and blue is usually scarce. It is well to provide campanulas, which are blue, also, and come in well where short stems will answer. Forget-me-nots are useful, and above all, for artistic effect, include iris. Gypsophila is valuable for white and delicate covering. Monarda is a striking scarlet. Paonies are always in demand. Pyrethrum uliginosum is valuable. Rudbeckia Golden Glow and double sunflower are useful for yellow. In addition to these perennials agapanthus is a desirable blue, and the common white lilac and Hydrangea paniculata are often available. Now is the time to provide any of these plants. The Clematis paniculata in pots, trained on cane stakes, comes in good for decorations; in fact all clematis should be grown in pots, because there is sale for them all summer.

All shrubby plants which have been grown for bloom, now that the blooming season is over, should be treated with care to induce strong growth of new wood, bearing in mind that it is the wood formed now that blooms next season. This is particularly true of deutzia. We are too apt to put them to one side carlessly, considering them of no value until next season.

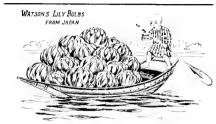
It is time now to arrange for next winter's crop of euphorbias, either the poinsettia or Jacquinæflora. For some reason the Jacquineflora variety does not appear to be well known. It is quite easily grown and very attractive, being one of the most graceful sprays for vases.

Take all your stock plants and trim

them to the desired shape; shake out and replant in good soil. Keep them growing. Set outside after June 1, and take in to warm by September 10. Of the wood cut off make cuttings of two or three eyes; put them in ordinary cutting bench; keep moist and a tritle shaded. They are quite a long while in rooting, but the principal point is to keep them growing in a temperature not below 60° at at any time, day or night. If you are prepared to give them the best do not omit E. Jacquinæflora, but if vou cannot maintain the temperature don't grow them at all, as they will only be rubbish.

Don't allow yourself to feel that it is safe to go without fire because it is May. Keep up the proper temperature as carefully as if it were January, and do not measure crops by quantity until quality is assured.

It is time to start bouvardia; put in cuttings where stock is not large enough; trim up old plants and give them a top-dressing. This will keep them in trim until the latter part of June, when you will have time and space to plant a bed of this beautiful flower. It comes next to the carnation and rose in general usefulness, and until the wholesale growers become enterprising enough to supply it we must grow it ourselves. Provide yourself with pink, white and C. B. W.



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VANCOUVER, B. C .- There is great indignation felt in many a British Columbian household just now over the ruthless confiscation and destruction at the hands of the Canadian customs officials of choice nursery stock imported from Oregon, Washington, California, New York and other horticultural centers in the United

#### Nurserymen's Convention.

We have received the preliminary programme of the twenty-third annual convention of the American Association of Nurserymen, to be held at Omaha, Neb., June 8 and 9. There will be discussions at the sessions of matters of vital interest and reports of committees charged with important duties in the interest of nur-serymen. Those who will address the meeting, and their subjects, so far as known at present, are as follows: Irving Rouse, of Rochester, N. Y., President's address; Prof. S. M. Emery, of the Montana Experiment Station, Bozeman, Montana Experiment Station, Bozeman, Monta, "Fruit Prospects in Montana"; Prof. F. W. Taylor, of Lincoln, Neb., "Relation of Agriculture to the Exposition"; Hon. C.L. Watrons, of Des Moines, la., "A Little Matter of Business"; Hon. N. H. Albaugh, Tadmar, Ohio, "Is the Insect Agitation of the Present Day a Good or Bad Thing for the Nurseryman?" President Gurdon W. Wattles, of the Trans, Mississippi and International Ex-Trans-Mississippi and International Exposition, will address the members and welcome them to the city of Omaha and the exposition

#### Japanese Maples.

En Asi, l'norist:-Please let me know something about Japanese maples and their treatment through your next issue. M. D. G.

The question is rather a broad one, as it is said that Japan and China contain some thirty species of maples. Your correspondent probably refers to the garden forms generally grown as shrubs with us. Acer palmatum and A Japonicum are the types that give us many varied forms, versed both in shape and color of leaf. Many plants are imported each year from 1 page that are well adapted for pot culture. Some are curiously inarched and grated with from twe to seven varieties, and do we'l as veranda plants, especially if grown in rustic pots. In the earlier part of the season the coloring of their part of the season the coloring of their boliage is line, but toward fall it fades k-enexit. A palmatum, often called A polymorphism, is the parent of atto-purpure im, dissection, punnatfidum, san gumenm, and others. They like a loamy k-all, red considerable moisture. Nearly all of our eastern museries carry all but the builtigrafted forms, and these may be c at oned to or dealers in Japanese plants

#### Good Poses Without Gralting.

Anderson, or this city, has been er, some essent with his Branners this see. sen. An assenor in bloom is in extra far slage. He has dso two good houses of European to of are about as line as any thing I have seen in this neighborhood beerge say. They half about grafting Laser is beyon see any need of grafting see as a li would look mg straig

as if grafting was superfluous if such strong growth can be got on own root stock as here shown. I notice, however, that George has a thousand young Bridesmaids of grafted stock ready to put in, so that he is not altogether to be counted on Mr. May's side yet on this agitating question of the moment.

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#### A Lily Experience Symposium.

The experiences of Chicago growers of

lilies are here tersely told.
Samuel Pearce: "We forced 5,000 Harrisii and 3,000 Lilium longiflorum, and had the crop in just right for Easter, but 65% of the Harrisii were diseased. The loss on L. longiflorum was very small. We potted both varieties in the compost used for our miscellaneous plants. Hereaf-

ter we shall grow no Harrisii for Easter."
August Jurgens: "We had 5,000 Harrisii and forced the last of them in for Easter. The loss by disease was 25%. Out of 5,000 L. longiflorum the loss was not worth mentioning. Both were potted in common soil. We think the latter

much the better for forcing."

August Dressel: "Out of 8,000 lilies, about half and half of Harrisii and L. longiflorum, we lost 50% of the former and 4% of the latter by disease. They were all potted in ordinary potting soil. We sell many of our lilies in pots and find longiflorum the better for that purpose. Our stock was just right for Easter."
Albert Fuchs: "About 25% of my Har-

risii were diseased, while the loss on longi-

florum was very small."

Henry Hilmers: "Out of 3,000 Harrisii 5% were diseased. There was no loss among 3,000 L. longiflorum. They were potted in fresh soil, with a very little manure."

Poehlman Bros.: "We forced 3,000 Harrisii, with a loss of 5%. Of the same

number of longiflorum there were very few diseased plants."

John F. Kidwell & Bro.: "Our loss by disease was 10% on 4,500 Harrisii, and on the same number of longiflorum we lost practically nothing. Last year we lost 50% of our Harrisii. This year we potted in maiden soil without manure.

We think manure breeds disease, especially if used when too fresh."

George Reinberg: "Most of my 5,000 lilies were Harrisi. The crop was mostly

in for Easter, with a loss of about 8'..."

Peter Reinberg: "I forced 5,000 liles, with very little loss by disease, but the eron was two weeks late for Easter." crop was two weeks late for Easter.

Emil Buettner: "I lost 65% of 5,000 Harrisii by disease and shall grow no more until better bulbs can be obtained. Of my longiflorum 95% formed good flowers, and I think them equally easy to force."

Bassett & Washburn: "This has been the most successful lily season we have ever had. We had 30,000 Harrisii and commenced cutting blooms the first week in November. We had a good crop infor Christmas and forced the last of them for Easter. We also had 10,000 L. longiflorum, of which a larger percentage were diseased than were of the Harrisii, and we did not succeed in getting them all in bloom for Easter. We have never been able to manage longiflorum as successfully as we do Harrisii."

Weber Bros.: "We have as fine a house of lilies as one could wish for. They were

intended for Easter, but will be about right for Memorial Day. The bulbs were potted in October and have ever since been kept in a temperature of from 55° to 60°. January 1 they were planted out on benches in an old rose border, with about six inches of soil. We have never seen such strong flower stalks grown from such small bulbs." J. T. A.

NEW BRIGHTON, PA.-Thomas W. Richards, who has conducted a greenhouse business for a number of years on Thirtieth street, will retire in August owing to ill health

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MEMORIAL DAY will be here in three weeks, and there will be a boom in supplies appropriate for the demands of the day.



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JEROME B RICE Prest E B. CLARK, let Vice Prest S F WILLARD, Wethersfield, Conn., Secy and Treas.

S. L. Allex, of Philadelphia, the well known maker of Plant Jr. tools, will visit California in May.

WEET PEA prices have evidently taken sharp turn upwards on account of the drought in California.

SEED GROWING CONTRACTS of all kinds are placed with farmers now with more difficulty than before the war began, farmers evidently anticipating much better general prices on their standard

PHILADELPHIA. - Estimates are being taken for the erection of a seven-story seed warehouse for W. Atlee Burpee & Co., at No. 475 North Fifth street. The co., at No. 443 North Fifth street. The new structure will have a frontage of 40.4½ feet on Fifth street, and will extend back to Vork avenue 83½ and 74 feet. It will have a front of brick, with Indiana limestone trimmings.

DANIEL DE COU, long employed by S. L. Allen & Co., of Philadelphia, and recently European traveler for that firm, died at Haddonfield, N. J., on Tuesday night, April 26, and was buried at Moorestown May 1. Mr. De Cou was a brother-in-law of Mr. S. L. Allen; he was well known to the seed trade, and well liked for his genial and diplomatic personality.

#### Pittsburg.

Business continues in about the same quiet condition that it has been in for the past two weeks, and while nothing particularly noteworthy has occured, the volume of trade is quite large and each florist seems satisfied. In fact the April business was very considerably more than that of April a year ago.

Inless present conditions change very much for the better, there will be searcely any additions made to the existing number of greenhouses in this vicinity this season, all being content to await a marked improvement in general trade, being perfectly willing to pay the increased cost of material when that condition prevails.

Breitenstein & Flemm, Market and Liberty avenue, have remodeled the interior of their store room, substituting tables for most of the counters, thus getting a much more roomy and open effect. They report business as good and prices satisfactory

Mr S S Skidelsky was a visitor this

#### Youngstown, O.

The popular notion that number 13 is an unlucky one does not seem to hold good in L. Hippard's case, for among the eight hundred and odd seedlings in his place, that designated as "13" looks the most promising. There are others, how ever, which are equally in the swim, in so far as pedigree and vigorous, growth are concerned

A sport of L. A. Wood, a very pleasing deep pink carnation borne on a long stiff stem, attracts special attention. It is a tine specimen of its find and well worthy of a thorough test. Mr. Hippard is growing the standard varieties quite extensively, over 100,000 having already been planted in the field.

Mr. Hippard takes especial pride in his roses, and well he may, for a finer stock it would be hard to find. His Brides, Bridesmaids and Meteors are decidedly choice, while his Perles are "pearls," like the gem command a ready market.

A new departure and one which promises to pay, is that of growing ferns for the wholesale market. Over 200,000 will soon be transplanted into 214-inch pots. Помо.



RAFFIA BEST QUALITY, LONG MADAGASCAR Notwithstanding the higher market on this item I am still offering at the old figure so long as present stock lasts

In bale lots (about 225 lbs.) at 8e 100 lbs or over at 100 lbs.

G. C. Watson. Seedsman.



Clifton Springs, N. Y. 

#### BURPEE'S SEEDS PHILADELPHIA.

Wholesule Price List for Florists and Market Gardeners.



TRY DREER'S GARDEN SEEDS,

Planis, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DITEER,
Philadelphia, Pa

Mention American Florist.

#### **zekekkekkekekekekeke** The Only Machine

on the market for automatically filling and sealing seed packets

The Brown 8ag-Filling Machine Co. FITCHBURG, MASS., U. S. A.

### THE ALBERT DICKINSON CO.

### GRASS SEEDS

Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk.

SPECIAL PRICES TO THE TRADE.

CHICAGO, ILL.

BEST OF ALL<sup>33</sup> TOMATO
"ENGLISH<sup>33</sup> MELONS
(FOR FORCING)

FLOWER SEEDS FOR FLORISTS
Catalogues on application.

WEEBER & DON, Seed Merchanis and Growers, 114 Chambers St., NEW YORK, N. Y.

August Rölker & Sons, Sprina Bulbs. Florists' Supplies,

IMPORT ORDERS booked now for foreing Burbs, Azaleas, Lily of the Valley, etc., for fall delivery; send for terms to

52 Dey Street,

NEW YORK.

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300 Kilo. Musa Ensete,

New crop, per 1000 seeds, \$2.50; 10,000 seeds, \$18.00.

100 Kilo. Sweet Pea. Eckford Mixture, per kilo, 20c; per 100 kilo, \$12 00.

10 Kilo. Coix Lachryma, ( Job's Tears ) per kilo. 40c; 10 kilo. for \$12 00.

10 Kilo. Stocks White Nice, Per 100 gramm, 40c; per kilo., \$3 00; 10 kilo. for \$25 00.

LETELLIER & FILS,

CAEN, Calvados, FRANCE. 

#### CLUCAS & BODDINGTON CO.

importers and Exporters of

### Seeds, Bulbs 🏖 Plants,

501 TO 503 W. 13TH ST.

NEW YORK CITY. Send for quotations on all Florists' Bulb Stock.

GS COTTON SEAMLESS, BURLAPS, ETC. SECOND HAND BAGS BOUGHT AND SOLO.

CINCINNATI BAG CO. Second and Walnut Sts., CINCINNATI, 0.

#### insman Queen .... Nuskmelon

Should be tested by every seedsman this season Irial pkls. Iree. To Market Cardnets 3, 16, 50c; 3-46, 75c; I lb. or more \$1.2a to 1 lb. Cash with order. Seed postpard

this is the earliest, best in quality and the most productive Maskmelon ever introduced. 18Y 11 f SPICIAL CIRCLLARS FREE.

FRANK BANNING, SITUSMAN AND ITORIST.

Do not forget to say "saw your ad, in the American Florist" when corresponding with advertisers.

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IE have closed contracts with some of the best and most reliable producers for our stock of Roman Hyacinths, Dutch Hyacinths, Tulips, Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading import forcing stock. Give us a list of your wants so that we may be able to quote you on same.

> DON'T FORGET THAT WE ARE STRICTLY IN IT ON SUPPLIES OF ALL KINDS, SEEDS, BULBS AND CUT FLOWERS. . . . . .

VAUGHAN, McKELLAR & WINTERSON,

45=47=49 Wabash Avenue, CHICAGO.

## CANNAS NEW AMERICAN Finest in the World Our Novelties for 1898 Por 100

| 101 100                                        |
|------------------------------------------------|
| DUKE OF MARLBORO, darkest crimson\$30.00       |
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| TOPAZ, only absolutely large pure yellow 50.00 |
| LORRAINE, pink, edged white, fine 30.00        |
| MAIDENS BLUSH, delicate flesh color 15.00      |
| GOLDEN PEARL, yellow, nearly donble 30.00      |
| CUBA, finest and largest gilt edged 40.00      |
| GLORIOSA, very dwarf, March delivery 12.50     |
| PHILADELPHIA, glowing crimson                  |
| CHAMPION, largest, glowing scarlet\$5.00 each  |
| KLONDIKE, only large pure orange \$2.50 "      |
| Send for complete list of 50 novelties and 200 |
| standard varieties at lowest prices.           |

#### OUR CANNAS IN FRANCE.

To Mesers A. Blanc & Co.
Your new cannas of last year gave me much
satisfaction. Please send me a complete set of
your noveltles for ISS as soon as ready. Also 12
Glant Crimson, etc. Signed CH. MOLIN,
Lyon, France, Jan. 3, 1898.

#### ASPARAGUS SPRENGERI

Fine plants in 6-inch pots, ready for 8-inch, \$5 per 12.

#### AMARYLLIS.....

Veitch's Hybrids. \$4 per 12; Equestra, \$4 per 100; Formosissima, \$3 per 100.

#### CALLAS

Spotted Leaf, \$3; Black, \$5; Yellow, \$30; all per 100. Golden, \$2 each.

#### DAHLIAS

11 prizes ont of 22 at the last Dahlia exhibition. First prize Dahlia, GILT EDGE, \$15 per 100. Send for special list.

A. BLANC & CO., Philadelphia, Pa.

#### N. Dames

of 1he firm of

\*\*\*\*\*\* Vanderhorst eeeeeee **X** 

**BULB GROWERS** 

# Lisse and Heemstede, Holland,

is on his round trip through the United States. To spare time, we beg to send all letters and communications up to May 15, care of

Knauth Nachod & Kuhne. 13 William St., New York.

Give us the list of your wants and we will send you our lowest quotations for real good stuff.

# For FLORISTS..

VAN ZANTEN BROTHERS. HILLEGOM. HOLLAND.

# Forcing

I T will pay every florist to get our prices on Romans, Harrisii, Longiflorums, Valleys, Hyacinths, Tulips, Azaleas, etc., etc., before closing contracts. Our reputation for high grade stock is well established. Our facilities for handling orders promptly are the best. (Our new quarters, 161 to 163 E. Kinzie St., six floors, 40x100 ft, give us ample room and every convenience for quick dispatch of your commands.)

Special Low Prices on Tuberoses, Gladiolus, Cannas, etc., etc., to close out Spring Bulbs.....

PURCHASING DEPARTMENT for florists saves you money on Glass, Pipes, Tools, etc. Service free to florists. Write for particulars. . . . . .

# W. W. BARNARD & CO.

161 to 163 E. Kinzie St. CHICAGO, ILL.



# VAN HEEMSTRA & 60. **BULB GROWERS**

SASSENHEIM. HOLLAND.

DEFORE ordering Dutch Bulbs ask our quotations. Our stock enables us to make good offers. Address letters until May 15th to

W. WARNAAR,

Care KNAUTH, NACHOD & KUHNE, 13 William St., NEW YORK.

Mention American Florist.

## Bulb Growers and Nurserymen HILLEGOM, HOLLAND.

Our JAC, KEUR will leave this country about May 15, and if he can be of any service to intending buyers of bulbs and plants shall be glad to hear from same before above date. Address

C. KEUR & SONS, 68 BROAD STREET. New York City.

HAERENS BROS. From SOMERGEM near Ghent, Belgium

SPECIAL Growers and Exporters of Aza-SPECIAL Growers and Exporters of Azaleas, Palms, Araucarrias and other decorative plants, take pleasure to inform you that their Mr. AUC. HARRENS is now on his annual visit through the United States. The stock he offers is immense, of best quality and at most reasonable prices. Iheir New Azaleas will be the favorites of the lotter. Write for price list and special offer until May 10th.

AUGUST HAERENS CARE OF ... VANDERGRIFT CO. 66 Beaver St., New York City.

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GROWERS SASSENHEIM, HOLLAND.

## Dutch Bulbs

AND PLANTS FOR AMERICAN MARKET. Ask for Wholesale Prices.

We will stay in America until May 14th. Please address letters to

## L. Van Leeuwen,

CARL COLONNADE HOTEL,

NEW YORK, N. Y. 726 Broadway.



# "Special Offer" ROSES

The following list of varieties have been carried over in cold frames and are in excellent condition, from 5 and 6-inch pots.

| potsp<br>Anna de Dieshach, budded stock 5-in : | er 10 |
|------------------------------------------------|-------|
| Anna de Inestiteu, budded stock, 5-10.         | 20.0  |
| A'fred Colomb, "6-in.                          | 20.0  |
| Blanche Moreau, own routs                      | 18.0  |
| Boule de Neige, budded stock5-in.              | 18 (  |
| Boule de Neige, dadded stock5-th.              | 20 0  |
|                                                | 18 0  |
| Baroness Rothschild, "5-ln.                    | 20.0  |
| Baltimore Belle, own roots                     | 18.0  |
| Caroline de Marinesse, own roots5-in.          | 18 0  |
| Caronne de Marinesse, own toots 6 in.          | 20 0  |
| Comtesse de Muranais, budded stock. 5-in.      | 18 0  |
| Cantain Christy. "5-in.                        | 18 0  |
| Captain Christy                                | 20.0  |
| Connette des Alpes, " "5-In.                   | 18.0  |
| Crested Moss. "6-In.                           | 20 0  |
| Earlof Dufferin. "5-in.                        | 18 0  |
| Gloire de Margottin, "5-in.                    | 18 0  |
| Giotre de Margottin,                           | 20 0  |
| Gen. Jacqueminot own rnots5-in.                | 15 (  |
|                                                | 12 (  |
| Hermosn,                                       | 15 (  |
| Glory of Mosses, budded stock 6-in.            | 20 0  |
| La France                                      | 18 (  |
| Louis Van Houtte " "5-ln                       | 18 (  |
| Douis van Houtte                               | 20.0  |
| Maurice Bernardin, "5-in.                      | 18 0  |
| Mabel Morrison, " 5-in.                        | 18 (  |
| Staber Adortison, " "6-In.                     | 20.0  |
| Mme Gabriel Luizet." "5-in.                    | 18.6  |
| Mme Gabriel Luizet," "5-in.                    | 20 0  |
| Magna Charta, own roots                        | 18.6  |
| Mrs John Laing, budded stock                   | 18 (  |
| Mrs John Lang, budded stock                    | 20.6  |
| Marshall P. Wilder, " "6-in.                   | 21.6  |
| Jiaisuan I. Wilder,                            | ÷ J.( |
|                                                |       |

| Mary Washington, own roots                                              | ā-ln.  | $15.00 \\ 18.00$      |
|-------------------------------------------------------------------------|--------|-----------------------|
| Mme. Caroline Testout, "                                                | 4-In.  | 15.00                 |
| Mervettle de Lyon, budded stock                                         |        | 18.00<br>18.00        |
|                                                                         |        | 20.00                 |
| Mme Plantier, own roots                                                 | h-in.  | $\frac{20.00}{25.00}$ |
| Marechal Ntel, budded stock                                             | 0-1H.  | 25.00<br>15.00        |
| Paul Norman                                                             | 5 ln.  | 18 00                 |
|                                                                         | 5-in.  | 15 00                 |
| Prince Camine de Ronau, ngitt.                                          |        | 20.00                 |
| Princess Adelaide, own roots<br>Prairie Queen, "                        | 5-La.  | 15 00                 |
| " " "                                                                   |        | 18 00                 |
| Queen of Queens, budded stock                                           | 5 In.  | 18.00                 |
| " own roots                                                             | 6-in.  | 20 00                 |
| Rodocanachi, "                                                          |        | 18 00                 |
| Rugosa, "                                                               |        | 15.00                 |
| **                                                                      | 6-in.  | 18 00                 |
| Rugosa alba.                                                            |        | 15.00                 |
|                                                                         |        | 18.00                 |
| Russels Collage,                                                        | 6-in.  | 18.00                 |
| Souv. du President Carnot, own roots                                    | 4-in.  | 12.00                 |
| Seven Sisters or Grevillea, Sweet Briar, own roots                      | 5 ln.  | 15.00                 |
| Seven Sisters or Grevillea                                              | 6-in.  | 18.00                 |
| Sweet Briar, own roots                                                  | o in.  | 15.00                 |
| Ulrich Brunner, "Victor Verdier, "                                      | 5-in.  | 18.00<br>18.00        |
| Victor Verdier. "White Baroness, budded stock                           | 5-111. | 18.00                 |
| White Baroness, budded stock                                            | e-in   | 20.00                 |
| W S. Richardson, "William Lobb, "White Provence, "Wholvefare, own roots |        | 25.00                 |
| William Lobb, " "                                                       |        | 20.00                 |
| White Provence, " "                                                     | 41.1 m | 20.00                 |
| Wighterians own roots                                                   | 5 in   | 15 00                 |
| Wichuriana, own roots                                                   | 6-In.  | 18.00                 |
| Waltham Climber, budded stock                                           | fi-In. | 25.00                 |
| White La France. own roots                                              | 4-1n   | 15.00                 |
| White microphylla.                                                      | 5-in.  | 18 00                 |
| Tennessee Belle. "                                                      | 6-in.  | 18.00                 |
| Yellow Persian, budded stock                                            | .5-ln. | 18,00                 |
| 11 11 11 11                                                             | .6-ln. | 20.00                 |
|                                                                         |        |                       |

# Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.



# FOR FALL AZALEAS

## SURPLUS BARGAINS

A limited surplus of the following bulbs. We make prices low to close out. Quality guaranteed......

## Tuberoses...

| Per 100                                                | Per 1000      |
|--------------------------------------------------------|---------------|
| Dwarf Excelsior Pearl, strictly first                  | £7.50         |
| 3000 for \$19.00,<br>Second size                       | 3.50          |
| All bloomers; 3000 for \$9.00. Tall Double, first size | 6,50<br>10 00 |

#### Speciosum Lilies...

|           |       |      | Per 100   | Per 1000 |
|-----------|-------|------|-----------|----------|
| Album     | 7-9   | inch | <br>24.50 | 840 (K)  |
| 14        | 9-11  |      | <br>5.50  | 50,00    |
|           | 11-13 | * *  | <br>7 50  | 70.00    |
| Rubrum    | 6-8   | 1+   | <br>2.25  | 20,00    |
|           | . 7.9 | 1.4  | <br>3 50  | 30.00    |
| Melpomene | 7.9   | 4.4  | <br>3.50  | 30,00    |

## AZALEAS

TO OBTAIN

PERFECT SHAPED PLANTS AND BEST VARIETIES

ORDER NOW!

CHICAGO:

84-86 RANDOLPH ST.



#### SPOTTED LEAF CALLA

Per 100, \$2.50 Per 1000, \$20,00,

# C. ESCULENTUM

|                 |                 | 100   |
|-----------------|-----------------|-------|
| 5 to 7 Inches I | n etreumferenes | 3 10  |
| 7 to 9          | **              | 4 50  |
| 9 to 12 "       |                 | 8,00  |
| 12 Inches and   | up              | 15,00 |

BEGONIAS, GLOXINIAS, Etc.

AT CLOSE FIGURES.

**NEW YORK:** 14 BARCLAY ST.

VAUGHAN'S SEED STORE.

HEADQUARTERS FOR "FANCY" BULB STOCK AT REASONABLE PRICES.

# The American Florist Company's Directory



NEW EDITION. PRICE \$2.00.



AMERICAN FLORIST COMPANY, . 324 Dearborn Street, CHICAGO.

#### Indianapolis.

Since Easter trade has been very unsatisfactory Store men as well as those attending market are complaining; very little has been done in the line of funeral work, and as a wedding month April did not come up to its representation, at least the florists saw little evidence of Cupid's successes.

Robert McKain has 125,000 bedding plants with which to beautify our city parks. Every one familiar with, the facilities of the city greenhouses will give "Mac" credit for having accomplished everything possible, and as he has proved a tasteful designer of flower beds, we may safely expect to see some fine work in this line.

B. Rothermal and J. Stanley, two members of the Florists' Club, are at present in Camp Mount awaiting a chance to fight for Cuba's liberty.

At Tuesday night's meeting of the Florists' Club Messrs. Ch. Vollrath and Houston Tall were elected to membership. Mr. Parker read a paper on bookkeeping for florists, which was full of humor as well as useful information. It was dis-cussed by those present. The meeting as usual ended with a social session, songs,

John Hartje, our disciple of Izaak Walton, reports bass fishing unusually good this spring.

Berterman Bros. keenly feel the loss of their brother Benedict, who was killed by the ears while on his way to Philadelphia. Mr. Berterman was a civil engineer of much ability and had many warm friends in this city. The Florists' Club extended its sympathy to the brothers by a floral tribute.

Cambridge, Mass.—Annie T. Hamilton, of Manchester, N. H., sued John F. O'Brien, the junior of P. O'Brien & Son, who have 20,000 feet of glass on Massachusetts ave., for breach of promise to marry and estimated the damage to her affections at \$100,000 but permitted the case to be non-suited in the supreme court.

# Asparagus Sprengerii

For another week (before potting up) we offer small dormant 1-year roots & \$5.00 per 100. These bribs will quickly make strong 2½-inch pot plants.

pot plants.

Ficus Elastica, true, lurge leaf variety, 6-inch bots, 20 inches high @ 50c each.

Crimson Rambler Roses, extra fine, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00; per 100, \$15.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb. @ 15c per lb.

Clothilde Soupert, the great pot rose, our stock is A No. 1, 2-in. @ \$3.00; 2½-in. @ \$4.00; 3-in. @ \$6.00; 3½-in. @ \$9.00 per 100.

Dahlias, 2½-in. pot plants, in named varieties, per 100, \$5.00.

100, \$5.00.

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz., \$1.50; per 100, \$12.00.

For Cannas, Carnations, Chrysanthemums, send us your list; we have all kinds.

H. P. Roses, dormant, 2-year, extra fine stock (@ \$12.00 per 100.

Clematis, Ampelopsis Veitchi, Hollyhocks, Paonies, Hydrangens P. G., etc. we have in large quantities; write us for prices.

#### VAUGHAN'S SEED STORE,

Creenhouses: CHICAGO: Wester . Springs, Ill. 84-86 Randolph St.

BOUVARDIA Double piuk aud white, clean stock. 2 in. pots, \$2.50 per 100. VERBENAS, first-class, in hloom......\$2 50 per 100. McCREA & COLE, Battle Creek, Mich.



J. L. SCHILLER,

404 East 34th Street,

NEW YORK CITY.



# DORT CDAIG & SON ROBT. CRAIG & SON Roses, Palms

and Novelties in Decorative Flants.

Market and 49th Street, PHILADELPHIA, PA.

Market and TO...

# **Rose Hill Nurseries**

ARGEST Growers of Palms, Orchids, Stove and Greenhouse plants, Ferns, Arancarias, Pandanus.....

SIEBRECHT & SON, New Rochelle, N. Y. New York Olfice, 409 Fifth Ave.

# Just Arrived

IN FINE CONDITION

Odontoglossum Crispum, Miltonia Roezlii, Cattleya Chocoensis, Cattley Labiata, Oncidium Varicosum Rogersii.

LAGER & HURRELL, Summit, N. J.

Asparagus — Sprengerii \$5.00 per '00 Seedlings American Rose Co., Washington, D. C. 3 Zanananananananananananana

# Hydrangeas



Fine plants with 10 to 30 blooms per plant.—10 cents per bloom...

JOHN SCOTT, Keap St. Greenhouses, BROOKLYN, N. Y.

# Cyclamen...



Persicum Giganteum, brilliant red, strong hea'thy transplanted seed-lings, from best German-grown seed, \$100 per 100; \$9.00 per 1000. Cash with order...

H. PLADECK MIDDLE-VILLAGE, LONG ISLAND, N. Y.

# Crotons...

IN VARIETY

Rothschild, Hawkeri, Interruptum, Evansianum, Rubra Lineata, Andreanum, Aurea Maculatum and others, suitable for bedding. Fine plants in 3-meh pots, \$2.00 per doz. New and rare varieties, 50 cents each.

Aurea Maculatum, extra fine plants in 4-in. pots, \$2.50 per doz.; \$15 per 100; 3-inch pot plants, \$2 per doz.; \$12 per 100; thumb pots, \$1 per doz.; \$6 per 100.

#### Edwin Lonsdale,

Money Order Office, Station H. Phila.

Florist, CHESTNUT HILL. PHILA., PA.

# HERE WE ARE 4 Weeks

| FIRST COME, FIRST SERVED.                  |                     |
|--------------------------------------------|---------------------|
| FUCHSIAS la assorted varieties, double.    | er 100              |
| 2 ln<br>Slogle, 2-ln                       | \$3.00<br>2.50      |
| HIBISCUS in assortment, single and double, | 3 60                |
| 0-III                                      | 5 00                |
| JESSAMINE Granditiora, 2½-in               | $\frac{3.00}{8.00}$ |
| Mald of Orleans, 3 in                      | 5 00                |
| Arabian, 4-in                              | 8.00<br>8.00        |
| Rhynchospermum Jasminoides, 2-in.          | $\frac{3.00}{8.00}$ |
| SMILAX, good strong plants, 2-in           | 2.00                |
| 2000 MOON VINES, strong plants, 2-in       | 3 50                |

#### NANZ & NEUNER, LOUISVILLE, KY.

# STRONG STOCK TO POT ON NOW. JOHN H. LEY,

COOD HOPE, - WASHINGTON, D. C.

D HOPE, - WASHING
Offers clean well rooted plants as below:
Per 100,
\$25,00

Offers clean well rooted plants as below:

Per 100.
Areca Lutescens, 2 ft. thick. 4-incb. \$25,00
Orange Trees 2 ft., full of green fruit. 5-in. pots. 25,00
Phoenix Reclinata. 4-inch pots. \$60
Phoenix Reclinata. 4-inch pots. \$80
Ferns, irom flats, 8 good corts, mailed. 1.25
\$10.00 per 1000 by exores 9.
Oreodoxs Regla. 5-inch, 3 in a pot. (Royal Paim)
3 to 4 feet high
Phoeoleophorium Sechellarum, 4-inch, pice plants of this rare paim. 100
Oreodox Regla. 5-inch, 2 inch, extra large. 5.00
Pandanus Utills. 5-inch, extra large. 5.00
Well packed. Cash with order.

DOUBLE PETUNIA, Dreer's strain, strong...... \$2.50

RUSSELIA JUNCEA, 21/2-in., strong 3.00 AMPELOPSIS VEITCHII, 21/2-in.....

PALM Latania Borbonica, 21/2-inch, 3 to 4 leaves, per 1000, \$40 00, 4.50

THOS. A. McBETH, Springfield, O.

#### CAN YOU USE ANY

#### THE F. R. WILLIAMS CO.

WHOLESALE FLORISTS AND SHIPPERS OF CUT FLOWERS

60 Huron Street. CLEVELAND, O.

BORONIA

I will have a very nice stock of these in
perfect condition for autumn delivery
Boronia heterophylia.... from 20 cents to \$1 (0) each.
Boronia heterophylia.... from 20 cents to \$1 (0) each.
Boronia heterophylia.... from 20 cents to \$1 (0) each.
AZALEAS—Grown especially for American trade
at very leasonable prices.
Palmia, Dracænas, Araucarias, Acacias,
Kalmia Latif dia, Rhododendrons, Etc.
Sweet Bays, Sundards and Pyramids Description and prices 0 application.

ARTHUR DE MEYER, Nurseryman.

ARTHUR DE MEYER, Nurseryman, Mont St. Amand Chent, Belgium.

#### Catalogues Received.

C. Keur & Sons, Hillegom, Holland, bulbs and roots; Roustan Servan & Co., Saint-Remy-de-Provence, France, seeds; E. C. Amling, Chicago, Ill., vases.

PORTLAND, ME -Arthur H. Terry and Frank J. Goodridge, who did business as the Fairfield Floral Co., have been indicted for the fraudulent use of the mails. They did business by advertising and claimed to be merely selling artificial flowers but the authorities thought that it was a confidence game. The mail of the concern averaged 100 registered and 3,000 ordinary letters a day.

## NEW FORCING ROSE MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 242-inch pots, \$25.00 per 100 in lots less than 1000; \$225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

H. WEBER & SDNS. Oakland. Md.

OWN ROOTS.\* DORMANT & FIELD GROWN

IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 leet, cut back to 2 leet Yellow Rambler (Aglaia) Hybrid Perpetuals, Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,

1308-13<del>1</del>0 Unity Bldg., -

CHICAGO, ILLS.

...FOR... SUMMER BLOOMING

LA FRANCE ROSES

ta France ROSES strong, one and two-year-old plants, grown cool during Winter, fine shape for Summer blooming, ready for immediate planting. In the houses will give enormous crops of flowers all through the season; there is no better pink rose for Summer cutting than La France.

\$10.00 per 100 for I year old.
\$12.50 per 100 for 2 year old.
Also a fine lot of white and new vellow basies,
5 in pots, in full bloom \$2.00 PER DOZEN. These aplendid bargain

Long Distance Telephone, 94-11 D.

MAIN AND JOHNSON David Cliffe, STREETS. CERMANTOWN, PHILA., PA.

ROSES..

dem per 100 3-m per 100 Am. Beauties . . \$5.00

Perle . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

# Memorial Kose

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON,

MORRISVILLE, Bucks Co., PA.

(YELLOW HERMOSA)

Strong three-inch pots, \$6.00 per 100. One of the finest roses

for out-door planting. Write for our trade list, it contains a

few "good things." . . ... ...

ROBT. CRAIG & SON,

Cor. 49th and Market Streets, PHILADELPHIA.

.............

From 24-Inch pots. Mary Washington at \$15 00 per 1000.

FOLLOWING LIST, \$2.25 per 100; \$20.00 per 1000.

Agrippina Marie Van Houtte Frigneuse R. Marie Henrietta Mine, Elie Lambert Tennessee Belle Golden Gate Louise Phillipe Chromatella

Couquette de Lyon Vouquette de Lyon J. B. Varrone White Hermosa Marquis de Vivens Marie Lambert Lucullus Queen's Scarlet Andre Schwartz

Mmc. Pernet Ducher Duchess Brabant Princess Sagan Yellow Hermosa Purple China Mmc. Jos. Schwartz Wicharalana C. Mermet

Bon Silene Safrano Mme, Welche Praire Queen Baltimore Belle Media The Queen Marie Guillot Triumph Pernet Pere

All other Roses, Carnations and general stock. Send for complete list

THE NATIONAL PLANT CO., Dayton, Ohio.

FINE PLANTS from 3-inch pots, \* \$10.00 per 100; \$90.00 per 1000.

JOSEPH HEACOCK WYNCOTE, PA.

BRIDESMAID

Pots 100 Pots 100 21/4 \$2 50 3 \$3.50

Stock grown in low Guaranteed first-class. temperature.

THE E. HIPPARD CO., Youngstown, Ohio.

## 300,000 YOUNG ROSES 300,000

Ramblers, Climb Malmaison, Climb. White Pel, Climb Woofton, Pres Carnot and 100 other leaders in Teas, Il. Teas and Climbers. Send for prices Moon Vines, \$2 50 per 100. Rose Geraniums, \$2 50 per 100.

The National Plant Company, Dayton, Ohio.

## Write for Prices

of Beauties, Meteors, Belle Siebrecht, Perfes Maids and Brides in 2-inch, oane varieties and La France and V Eariserin in 3-inch Smitay in 2-inch. If samples are wanted send 50c in stamps.

GEO. A. KUHL, - PEKIN, ILL.

#### WANTED ROSE PLANTS

Icstout, Wootlon. Send sample and price. .

Colfax Ave. Floral Co., Denver, Colo.

TROM 2 1-2 INCH POTS.

Strong, thrifty, well established plants. General price \$1.00 per RO. Extra fine lot of Crimson Ramblers.

Jackson & Perkins Co. NEWARK, NEW YORK.

Prom 5-Inch Pots at 9c. Fine clean plants. Price reduced to close out, only a few hundred each.

France, Cequette des Blanches, Packed free Clemntis-Hencyil and Miss Bateman, the leading large white sorts; Inc I and 2-year fieldgrown plants like. Clemntis Virginia, sweet scented, small white flower, 2-year, the, 5c.

W. H. SALTER, Pockeday.

W. H. SALTER, Rochester, N Y.

# Do You Plant Beauties?

Am. Heauties, 3 inch at \$5.00 per 100. Not collings, but clean, strong, well grown stock and gunnanteed free from all disease.....

A. DONAGHUE.

108 S. 16th Street. OMAHA, NEB.

It is good loistness policy

#### ....AMERICAN FLORIST

when you write to an advertiser.

#### Worcester, Mass.

Good flowers are in excellent supply and the demand is all that can be expected. Roses and carnations are of particularly fine quality. Bulbous stock is nearly exhausted. Some outside grown hya-cinths and narcissus are coming in. Lily cinths and narcissus are coming in. of the valley and Japan Lilium longiflorum are both choice and plentiful. Violets are past but sweet peas are coming extra fine and are selling well.

The second spring exhibition of the The second spring exhibition of the Worcester County Horticultural Society was held April 22 and was the occasion of very creditable displays. H. F. A. Lange won first prize on a basket display of cut flowers, tulips in pans, and geraniums in pots. E. A. Weeks took first for hyacinths and F. A. Madaus for the set display of pageissus. best display of narcissus. A. H. L.

#### Diseased Pelargonium Leaves.

Ed. Am. Florist:-Enclosed find two diseased pelargonium leaves. I have inspected the leaves very closely with the aid of a small microscope, but can hardly make out the cause of the trouble; it looks to me as if there were a louse or some kind of a bug present. Can you suggest a remedy to prevent its spreading, and describe the nature of the trouble? A. S.

The trouble is not far enough advanced to admit of a certain diagnosis from a few leaves. Very few of the leaf spots show the presence of a fungus in an advanced state, though in several cases a mycelium is present in the tissues. A few of the older spots show the presence of the fungi macrosporium and cladosporium, but the species are those which attack dead or devitalized parts of plants, and are not true parasites. It is quite possi-ble that the plants are sickly from some other cause than fungus attack, and in this condition these saprophytic fungiare enabled to gain entrance and cause the more rapid disorganization of the tissues, and therefore the spots on the leaves. would suggest treatment which would tend to give the plants a more vigorous and healthy growth; good light, good air, porous and well drained soil, and be air, porous and well drained soil, and be sure that there is no trouble with the roots. Perhaps all these precautions have already been taken. If the trouble is initiated by fungi, then removing and destroying all the affected leaves, and spraying the plants with one of the ammoniacal carbonate of copper solutions, would probably prevent the farther development of the fungus.

Geo. F. Atkinson.

Strong started plants @ 2c each, or will exchange same amount for Madame Crozy.

## W. W. COLES, Kokomo, Ind.

# Violet Plants...

Marie Louise

GEORGE SALTFORD, Rhinebeck, N. Y. 50.000 SINGLE ROOTED VIOLETS

\$2 00 per 1000; cash with order. Will exchange some for rooted rose cuttings or plants.

J. K. POSTMA, - PRINCETON, KY.

# CHRYSANTHEMUMS Rose Owen, J. H. Woodford, Dorothy Devens, G. F. Atkinson, Golden Trophy, T. B. Miss Helen Wright Belle of Castlewood, Chito, C. W. Ward, Mrs. S. T. Murdock, 75 cits, per dozen; 55.00 per 100. Glory of Pacific, Maud Dean, Mrs. R. Crawford, W. P. Kaynor, Modesto, Lenawee, Pride of Castlewood, Bonuaffon, Ivory, Ruth Ellis, 50 cts, per dozen; \$3.00 per 100. Frank Hardy, T. H. Spaulding, Mrs. O. P. B. Issett, The Yellow Fellow, Madeline Pratt, Mrs. C. H. Peirce, Merry Christmas, 35 cits, each; \$3 00 per 402en. Snow Queen. Pennsylvania, 50 cits, each; \$5.00 per dozen. Snow Queen. Pennsylvania, 50 cits, each; \$5.00 per dozen, W. H. Chadwick, \$1.00 each; \$6.00 per dozen. CARNATIONS June, Young, Bon Ton, Mrs. Jas. Dean, White Cloud, New York, Empress and Evelina, \$2.00 per dozen. \$10.00 per 100; \$15.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. \$2.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.00 per 100; \$12.00 per 1000. Scott and McGowan, \$2.0

# Chrysanthemum Mrs. A.

WE claim this to be one of the grandest early whites yet sent out. Originated with us 3 years ago and given a thorough test. It is earlier than Bergmann. Flowers 7 to 11 inches in diameter; is easy to grow; a splendid keeper and above all never shows its center. Except in color it looks like a well grown Golden Wedding. Select stock, 2½-in. pots, 20c each; \$1.50 per doz.; \$10.00 per 100.

CAL. YIOLETS. No disease. Strong runners. 50c per 100; \$4 per 1000. MCDONALD & STEELE, Crawfordsville, Ind.

# **Shrysanthemum**

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 2½-in. pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

# NATHAN SMITH & SON

Wholesale Florists

Specialties

ADRIAN, MICH.

CHRYSANTHEMUMS CARNATIONS \*\*\* AND VIOLETS

· · · CORRESPONDENCE SOLICITED · ·

IN BEST VARIETIES.

ROSES, from 3-lnch pots.
CARNATIONS, for fall delivery CHRYSANTHEMUMS, SMILAX. VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

# **West Islip Greenhouses**

Rooted Runners, 🛂 per 1000.

E. B. SUTTON, Jr. P. O. Address.... BABYLON, N. Y.

# New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS, JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for ahove varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.
We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Empress (Swayne), Emling (Witterstaetter), Firefly (Hancock), Psyche (Hill), Painted Lady
(Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

## New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.

35c each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

50c each, \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

## F. DORNER & SONS CO.

LAFAYETTE, IND.

# MAJOR Var. From 4-inch pots......\$7.00

# Sonnenschmidt & Junge

456 E. Washington St. INDIANAPOLIS, IND.

#### Experiments in Carnation Culture.

An interesting series of experiments has been conducted at the Connecticut Experiment Station for the purpose of studying the fertilizer requirements of carna-tions. The plants were mostly grown in a compost of sifted soft coal ashes to which three per cent by weight of peat moss was added. Other plats of ordi-nary compost were used, also, for com-parison. The fertilizers used were intrate of soda, dissolved bone black and muriate of potash in varying amounts. The fertilizer was, in general, all applied before planting, no subsequent top-dressing or liquid applications being used.

The most successful plats were those receiving heavy applications of fertilizer, and the compost plats did not yield as many blooms as the plats with ashes and peat moss. These experiments were probably carefully designed for the purpose intended, but one can not help wishing that some of the less heavily fertilized plats had received subsequent applications of fertilizer in liquid form, sufficient to bring the total fertilizer applied up to the maximum, and in one case at least to exceed the maximum, to accord with commercial methods. It would also be very interesting to have some tests made as to the action of lime in addition to other fertilizers. It is generally supposed among good commercial growers that lime added to the soil stiffens the stems materially, a strong stiff stem being now almost of paramount importance with this flower.

Some trouble was experienced through the growing together of the petals and consequent failure of the flowers to open. This is the same trouble which has been in one case supposed to result from heavy applications of Alberts' horticultural manure, and has been considered due to excessive amounts of nitrogen in the soil. These experiments do not show this supposition to be true, as some plats having small amounts of nitrogen produced more of these defective flowers than others having sixty per cent more nitro-It is to be hoped that the Station may be able to continue and extend these valuable experiments. W. N. R.

CHATTANOOGA, TINN-Chattanooga's first annual spring festival concluded with Flower Day, May 5. The floral decora-tions were on a lavish scale, one man decorating his coach with 10,000 roses and concealing with violets the harnesses of the six horses. The troops of the regular army in rendezvous added to the brilliance of the pageant.

When corresponding with any advertiser on this page, please mention the fact that you saw the ad, in the AMERI-CAN FLORIST.

#### NFW LLL CARNATION ARGYI

A few left at the following price 4 4 \$10.00 per 100; \$75,00 per 1000 ...

STOLLERY BROS. CHICACO, ILL.

FLORA HILL CARNATION. It se has because there is nothing in sight to at all equal It. It speaks for largest blocks. It is fragrant. It is the largest blocks. It pais not other in the shade So fifts past or great to equal it. We have four doctal on them to be moved at one are getting the second of the control of the properties of the control of the parties of the p

E. G. HILL & CO., Richmond, Ind.

# Flora Hill

20,000 at greatly reduced prices. Don't miss planting the best of all whites. 4

H. F. Littlefield

WORCESTER, MASS.

PRICE: \$1.75 per 100 lbs .... ....\$30.00 per ton,

One of many testimonials:

Washington D.C., April 4 '98.
If F. LITTLEPIELD.
Dear sir—I take piensure in testifying to the excellence of your done
Flour and t feel gure that I amindebted to its purry and responsive
qualities for sp. e. did results obtaiced
during the past senson.

JOS. R. FREEMAN.

# arnation

The Gem of All the .... Variegated Varieties

THIS variety is one of the most prolific bloomers of the whole Carnation family, and the

JOHN N. MAY, Summit, New Jersey.

#### 

## Herr's Smilax

Sample plants sent for 10 cents. 75 cts. per 100, or \$5.00 per 1000.

CARNATION EXPERIENCES \* \*

A few hundred left, send your address und get one free......

ALBERT M. HERR

Lancaster, Pa.

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STRONG, HEALTHY ROOTED CUITINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Including Morello, Flora Hill, Daybreak, Wm. Scott Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfluch, Eldorado, and others. Send me a list of what you want and get prices before you lany. We also have a fine lot of Curnation and Violet blooms for sale. Write for prices.

## CHAS. CHADWICK.

GRAND RAPIDS, MICH. Lock Box II.

# Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the lend-ing novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS.

# Bread and Butter

Carnations Scott and Rose Queen for Pink; Emily Preison for Fink; Emily Preison for Mile Molecular and Kohinoor for White No experiment and disappointment proving these contailons strong rooted cuttings of or per 100 \$8.00 per thousand Cash with order, County Flore Contains

SOUTH SIDE FLORAL CO., Springfield, III.

#### NEW WHITE PERPETUAL

#### **BLOOMING CARNATION**

## Anna H. Shaw

The Best "All Round" White Carnation for Cut Flowers. Recommendations: Wonder fur bloomer, Unusual Vicor, Rapid Grower, Forms Strong Blooming Plants in a Very Short Time. Perfectly Healthy, Handsome Foliage, Large Beautifully Former Flowers on Long Stems, Exquisitely Fragrant. Never Bursts, Blooms Longer and Gives More Flowers and John Vicor Strong Strong Carnation that can always be depended upon, give Anna H. Shaw a trial. Rooted cuttlings \$1 mer dog; 28 per 100 Strong Plants \$1.75 per dog; \$10 per 100 Send for Trade List and Cutalogue of Seeds, Bulbs, Plants, Cactl. Etc.

Mrs. Theodosia B. Shepherd. Ventura (by-the-Sea), Cal.

#### REDUCED PRICES

-Very Fine Rooted-

Taken from our "Prize" Stock.

McCOWAN ALASKA ALBERTIND HELEN KELLER ARMAZINDY DAYBREAK £2 00 per 100, £15 00 per 1000,

SOUTH PARK FLORAL CO., New Castle, Ind.

# CARNATIONS FROM SOIL

Kathleen Pantlind | \$10 per 100, Beauties 2½ in. | 6 per 110, Flora Hill | 5 per 100, Catnots, 2½:in. | 4 per 100,

HOPP & LEMKE,

E. GRAND RAPIDS, MICH.

FIREFLY. EVELINA. EMPRESS, ARGYLE. GOLD NUGGET. BON TON, PSYCHE, PAINTED LADY AND TEN OTHER VARIETIES OF 1898.

\$2400 per doz ; \$10 00 per 100. Also best older varioties send for ilst. . . . .

GEO. HANCOCK & SON, Grand Haven, Mich.

# **CARNATIONS** AND COLEUS

#### ROOTED CUTTINGS

THE 1898 INTRODUCTIONS THE 1897 INTRODUCTIONS

REAK of special quality.

ROOTED COLEUS in variety.

Cood stock only. Price list free. DAYBRE

DAN'L B. LONG. Growers' Agent. BUFFALO.

#### KLONDIKE

Cold Fields at Your Door.

COLEUS—All kinds, all grades and ell prices.

COLEUS—All kinds, all grades and ell prices.

Verschaffeitil and Queen, 75c per 100; 86.00 per 1000;
2½-inch pots, \$15.00 per 1000; \$1.75 per 100. Coleus in variety, 55c per 100; \$4.50 per 1000; \$2½-inch pot. \$12.00 per 1000; \$1.50 per 1000. Accratum dwarf biue. 66c per 100; \$1.50 per 1000. Fuchsias, standard sorts, \$12.00 per 1000; \$1.50 per 100. Anthemis Coronaris, Golden Marguerite, \$1.50 per 100. Anthemis Coronaris, Golden Marguerite, \$1.50 per 100. Tuchsias, standard sorts, \$12.00 per 100; \$2.00 per 100; \$12.00 per 100. Alternanthera Paronychiodes, Major and Aurea Nans, 60c per 100. Hellanthus Multiflorus, Dauble Golden, 2½-inch pot, \$2.00 per 100; \$12.00 per 100;

J. E. FELTHOUSEN, Schenectady, N. Y.

# Io Make Room

The Morris Floral Co.. MORRIS, ILL.

# MAY OFFER.

Alteruanthera, 2-in. pots, A. Nana, \$1.75, Per 100 Alternantners, 2-in. poos, 3.

P. Major.

Begonias, 2½-in. pot, and Vernon.

Coleus, 2½-in. pot, and Centaurea Gym.

Geraniums, 20 var., 2½-in. pots, \$2.00; 3-in, pot. Geraniums. 4-3 25 3-10. pot...
Geraniums, 4-in. pots, and Double Petunias...
Smilax, 2-in. pots, 1000, \$9.00....
PrImroses, ready in June, single.... CASH PLEASE.

JOS. H. CUNNINGHAM, - Delaware, Ohio.

## BARGAINS IN PLANTS CEST

NICHOLAS AMOS, Crestline, Ohio.

#### HARDY PINKS

2½-in. pots; Suuv. de Sale, \$3.50 per 100; Her Majesty, Gleu Valley, Laura Wilmer, Ger-trude, \$3.00 per 100.

#### VIOLETS...

2½-in. pots; Admiral Avellon, Princess of Wales, \$3.50 per 100; Luxuune, California, Campbell, Swanley White, \$3.00 per 100.

THE CONARD & JONES CO., -West Grove, Pa.

#### 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION. IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000 NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

# Princess of Wales Violet...

The Best Money-Maker Among Violets. Strong 2½-inch pot-grown plants......\$5.00 per 100.

J. A. PETERSON. 105 E. 4th St., Cincinnati, O.

#### Extraordinary Offer!!

**GERANIUM** 

In bud and bloom. 2½-inch pots, \$5.00 per 100 Express prepaid to any part of U. S. A.

HENRY EICHHOLZ, Florist, WAYNESBORO, PA.

4-inch Paper Pots, in Bloom

PINK, RED and WHITE Best Bedders. . . . Thousands Ready. ... WRITE ....

GEO. A. KUHL, - PEKIN, ILL.

4 inch pots in bloom.

PINK. RED AND WHITE, \$8.00 per 100. TWO THOUSAND READY.

BERNARD PRASIL, ALTENHEIM, Oak Park, III.

#### Geraniums

Best mixed varieties for hedding, all in buds, strong, healthy plants; 3½ inch pots, \$3 00 per 100; 2½-inch pots, \$2.00 per 100.

Cannas 4-Inch pots, tine plants; Madam Crozy, Charles Henderson and B. Brown, \$5 00 per 100. Cash with orders.

CARL E. TAUBE, Proprietor, Paxton Greenhouses, - Harrisburg, Pe.

# PRICES GREATLY REDUCED Cape Cod Pink Pond Lily

For price lists, Plants and Cut Flowers, address the original cultivators.....

CHIPMAN BROS.

## SANDWICH, & (CAPE COD), & MASS.

MUST HAVE ROOM
Ceraniuma—10,000 S. A. Nutt. 2-Inch, \$15,00 per 1000; \$1.00 per 1000. Dracæne Perkins, best Pink, 2-In., \$1.00 per 100. Dracæne Indivisa—Strong 3-In., \$8.00 per 100. Coleua, Tooted cuttings, 6 kinds, 500. per 100; Klondike, strong 2-In., \$5.00 per 100. Begonia Vernon, 2-Inch, \$2.00 per 100. Carnation Idzzle McGowan, soil or pots, \$10.00 per 1000. Caah pleese.

CARL HAGENBURGER, West Mentor, Ohio.

#### BENJ. CONNELL, Florist, WEST GROVE, PA.

10,000 Ampelopsis Veitchil, dne dormant pot plants, 1 and 2-year uld; price 3 and 6c.
1 and 2-year uld; price 3 and 6c.
20 000 Viniets; 20 000 Carnations; Spirea Anthony Waterer and Blue Spirea; Strawberry-Raspberry and other new small fruits. All must be sold. Ask for pricea. Address

BENJ. CONNELL, West Crove, Pa.

# **ROEMER'S** Superb Prize Pansies

The finest strain of Pansies in the World.

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897 Catalogue free on application.

Fred. Roemer,

Seed Grower, - QUEDLINBURG, GERMANY.

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# FAXON'S "WHITE PANSIES.

The best mixture in cultivation, flowers very rge, thick and velvety; of superb colors and arkings. The perfection of form and texture. large, thick

In Trade Packets at \$1.00 each. M. B. FAXON,

Lock Box 1528. BOSTON, MASS. Correspondence solicited.

PANSIES

THE JENNINGS STRAIN.

THEY ARE GRAND.

Fine stocky plants in bud and bloom, \$10 and \$15 per 100 by express; small plauts.

75c by mail. Pansy seed, \$1.00 per pkt. Aster seed, Semple's pink, \$1.00 per oz. Casb with order.

E. B. JENNINGS.

Lock Box 254. SOUTHPORT, CONN. Crower of the Finest Pansies.

# PANSIES IN BLOOM

\$2.50 per 100. \$20.00 per 1000.

S. MUIR.

3530 MICHIGAN AVE., - CHICAGO.

# Strong Outside-Grown Stock

## VEGETABLE PLANTS

Tomato, Cabbage, Lettuce, Celery and Sweet Potalo. 15 cts. per 100; \$1.00 per 1000.

Pepper aud Egg Plants, 25c per 100; \$2.00 per 1000.
Cauliflower Snowball, 35c per 100; \$2.50 per 1000.
All plants by mail, 10c per 100 extra Price list for large quantities. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

#### 5,000 SMILAX...

From flats, by mail, 500 per 100, 84.00 per 1000 From 2-inch pots, \$2.25 per 100, \$13.00 per 1000 Gerantums from 2-inch pots, \$2.25 per 100, \$20.00 per 1000. Cash with the order. Send for samples. Frod Boerner, CAPE MAY CITY, N. J.

#### Harrisburg, Pa.

Business since Easter has been fair, but would have been better had it not been for the gloomy weather which began after the holidays and continued until the end of April. Considering the frost and one or two heavy snowstorms which threatened destruction to the outside growth, we have had a very good spring season. After the Easter sale, most of the greenhouses and stores presented a very empty appearance. The demand for cut flowers in particular seems to be increasing.

The great call for carnations last winter has caused florists to plant a Jarger number than heretofore. The Paxton greenhouses are planting a very large stock, 25,000 being already in the earth. The varieties are Flora Hill, Victor, Daybreak and Scott, which seem to be the best money-makers.

Mr. Oster, of Fairview, is preparing to go into business and intends to build one

or two large greenhouses. Mr. Fenichele of Harrisburg, is about to build an addition to his establishment. He has been very fortunate this year in producing a rather superior assortment of plants, C. E. T.

#### When to Fumigate.

ED. AM. PLORIST:-When is it best to fumigate greenhouses, previous to syringing or when the plants are all wet

In reply to query as to the best time to fumigate greenhouses, we prefer the evening, and if possible when there is little or no wind blowing. Care must at all times be exercised to avoid the tobacco flaming. This is done by making the stems slightly damp before the fire is applied, and a watering can filled should be handy with which to sprinkle should the smoke develop a tendency to become too hot, as this is where the danger lies-in the possibility of injuring the tender foliage. Some plants are more susceptible to this trouble than others, for instance, heliotrope and most of the tender leaves of annuals, as mignonette; and as this class of plants is rarely or never affected with the greenfly, a sheet of paper placed over the plants will give them the necessary protection. Disastrous results attended the fumigation of a house of roses with as on one occasion in the early fall, which was operated upon on one foggy morning when the foliage was more or less damp. Whether it was because the fumigation was done in the morning or because the foliage was damp we do not know, but we have always refrained from applying tobacco smoke under similar conditions in the morning ever since, and our plants have escaped a scorching in consequence, we assume. I way assume because most practical men who think they know and feel they know also realize that they cannot prove to the entire satisfaction of the uninitiated in many of the apparent mysteries of horticulture. Many of our operations with plants under glass are done on an hypothesis, as it were, or in other words, much of what we do is influenced by a something which is a little more than a theory and a little less than a fact

Polishkill Psil, N. V. At the meeting of the Duchess County Horticultural Society, on May 4, Mr. W. W. Gommer sall read an essay upon "Trees and Shrubs Adapted for Duchess County," with sug gestions for their arrangement



# Kraft's Plant Toni

#### For Plants, Palms and Flowers

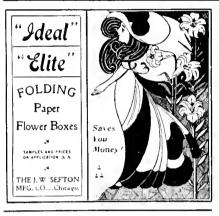
A Wonderful Preparation for the Promotion of Plant Life, Des-truction of Insects and Scale.......

a beautiful bright green. For sale at

84 & 86 RANDOLPH STREET, CHICAGO,

VAUGHAN'S SEED STORE.

14 BARCLAY STREET, NEW YORK.



# THE MODEL CARNATION SUPPORT



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I have tested your latest model Carnation Support and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.

Very truly yours.

(C. W. WARD.

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N. Y., Feb. 18, 37
MR THERON PARKER,
Hear SIF; - Your wire stake
is certainly a gem. Withnout hesitating we indorse it
us an up to-date carnation
support. Yours truly,
DAILLEBOUZE BROS.

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Feb. 18, 37.
MR. THERON PAIRKER,
Brooklyn, N. Y., Dear ShrIt gives me much pleasure to
congratulate you upon your
success in getting up carnation supports. I think that
those I have had from you
are about as perfect as anybody will be able to make
them. They certainly fill my
full for an ideal carnation
support, a thing I have been
looking for for a long tine,
Wishink you every success
in the sale of them, I am
Yoers truly, E, ASMES,
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#### Nashville, Tenn.

Balmy spring has opened so gloriously in the last few days that sun and air are very summer like. All kinds of spring blossoms are abundant. Snowballs, preonies, and lily of the valley are in profusion. This seems to have been a particularly good year for lily of the valley, it having been on the market in great quantities. Some seasons the delicate blossoms are nipped by the frost, and we see very few of them. The quality, of course, is not equal to the cultivated varieties, but their fragrance is far greater. The florists have not profited by this profusion of out-of-door flowers, rather the reverse, but there is comfort in the thought that their season is brief. Just now, too, decorations of dogwood blossoms are all the rage, and the great white blooms make a garniture which is not to be disparaged because it is cheap.

At a recent wedding white snowballs and dogwood blossoms were used in the house decorations, and the prospective groom carried to the florist who was to furnish the bridal bouquet one hundred lilies of the valley, which he purchased for 40 cents. They mingled effectively with the Bride roses, and even the most conservative buyer could find no fault with the price. Paronies are very fine. The crimson and white are just coming in but are a drug on the market.

The rose erop now is in fine condition. Brides and Bridesmaids are particularly choice; but the demand is fickle, for most buyers are "so tired of roses, we have had them all winter," and are decorating their tables and homes with the sweet spring blossoms. Awhile back even the wild violet of the variety known as "Johnny-jump-up," was meeting with a The violet season is entirely ready sale. over now.

There has been very little in the way of large or even small social entertainments, and this makes the flower trade very quiet. There is little prospect of a stronger market until the time of school commencements. Memorial Day is not busy with the florists, nor is the same day observed here that is observed in the north. Here we garland the graves of the gray, there they deck those of the blue. Here it is a great offering of nature's flowers, although the florists usually freely contribute large hampers of their prettiest blooms.

M. C. Dorris.

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Business during the last week has been rather slow with nearly everybody, although it showed a slight improvement over the week previous. The last days of the week were enlivened by cheap sales of roses, carnations and spring flowers in which a great deal of stock was used up without leaving very much to show for it. Excepting some late varieties of tulips, bulbons stock is now about over for this season, leaving the field clear for greenhouse flowers.

The weather has been rather warm of late, and the growers have been hustling to get out their carnation stock.

The libel suit of Leopold vs. Graham, which has been hanging fire for some time, came to trial lately and resulted in a verdict for the defendant, the jury being out but a very short time.

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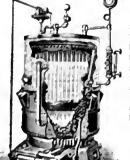


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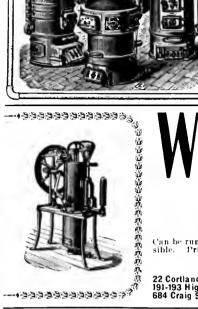
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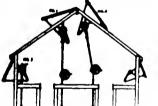
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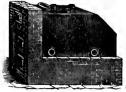


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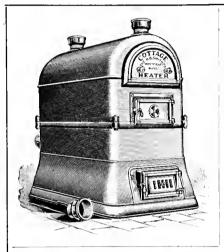
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| Conard & Jones Co., 1217                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Parker Theron 1218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Connell. Benj 1217<br>Conley John & Son 1209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pennock Sam'l 81205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cottage Gardens. 12:5<br>Craig Robt & Son. 12:13-12:14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | McDonald & Steele. 1215 Middlemass Archie. 1248 Millank Frank. 1248 Millank Frank. 1249 Monn Samnet C. 1238 1211 Moon Samnet C. 1247 Mound City Flo Co. 1247 Mulr S. 1247 Mulr S. 1247 Mulr S. 1247 Nationa Plaat Co. 1214 N Y Cut Flower Ex. 1248 Nationa Plaat Co. 1214 N Y Cut Flower Ex. 1248 Nationa Plaat Co. 1214 N Y Cut Flower Ex. 1248 Nationa Plaat Co. 1214 Parker Theron 1248 Peanock W P. 1248 Peanock W P. 1248 Pennock Sam'l S. 1245 Prassil Bernard. 1247 Prince A G & Co. 1244 Randall A L. 1244 Randall A L. 1244 Randall A L. 1248 Regan Printing Housel256 Regan Printing Housel256 Regan Printing Housel256 Relin Bros. 1248 Relin M & Co. 1244 Rice M & Co. 12 |
| Conningham J H1217<br>Dames N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Postman J K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Detroit Flo w Pot Migi2la                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prince A G & Co1204<br>Onaker City Mo'h Wk: 1221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dickinson Albert Co.1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Randall A L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dillon J L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Reed Glass & Paint Col221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Dorner Fred & Sons Col215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Regan Printing Housel207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ehret F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rice M & Co1209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Elliott W H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rigan Frinding Hobertson, 1204 Rice M & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ernest W H1213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rogers P's Flora: Co 1204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Detroit Flow Pot Migi219 Detroit Flow Pot Migi219 Detainson Albert Co. 2210 Dictainson Co. 2210 Dictainson Co. 2210 Dictainson Albert Co. 2210 Elchaboltz Henry 1210 Elliot W H. 1200 Elliot & Pollworth 1200-1206 Ernest W H. 1211 Faxon M B. 1211 Forthonson J E. 1211 For Box 1210 Flow Mut Fire Ins Co. 127 Flow Mut Fire Ins Co. 127 Flord Bros. 1208 Flord | Rice M & Co.   130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Flo Mut Fire Ins Co 12 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Saltford Geo1215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Galvin & Co 1245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Scollay Jnn A1218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Flo Mat Fire Ins Co. 123 Galvin & Co. 124 Galvin & Co. 124 Glibins H W. 123 Glibins & Co. 122 Gorton & Lidgerwood123 Gurney Heater Co. 123 Gutta Perpha Rub Co. 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sefton Mfg Co 1218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gurney Heater Co .1220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sheridan W F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Havenburger Carl1217                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Skabenra Din Co1218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Haerens Aug 1211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8mith The H B Co1221<br>5 mmith Nath # 80m1215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Harrison Pottery1219<br>Hartford H.E1205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Smith W C Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Harrison Pottery. 121: Harrison Pottery. 121: Harrison H E. 123: Harrison H E. 123: Heart M A 123: Heacock Job 121: Helkes W F. 121: Herr Albert M. 121: Hildinger Bros. 222:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | South Park Floral Col216<br>South Side Floral Co 1216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Helkes W.F 1214<br>Herr Athert M 1216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stearns Lumber Co 1221<br>St Lonis Cut FlowerCol206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hildinger Bros1213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stollery Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Hippard E., 1214 1225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sunderbruch H L Co.1206<br>Sutherland Geo A 1205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Holton & Hunkel Co. 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sutton E B Jr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Hopp & Lemke 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Tanba Carl E 1215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hort adv 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Traendly & Schenck 1205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Herr Atbert M. 12h Hiffinger Bros. 12l Hiffinger Bros. 12l Hiffinger Bros. 12l Hippard E. 12l 122 Hitchings & Co. 122 Hotton & Hunkel Co. 120 Hooker H M Co. 12l Hopp & Lemke. 12h Horn Edw C. 120 Hott adv 12l Hutt Edw L. 12h Hillinots Cut Flower Col2) Jackson & Freklin Col2l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Van Heemstra & Co 1211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Jackson & Perkins Colli-<br>Japanese Nursery 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Van Zanten Bros1211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Kasting W F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Vincent R & Son1215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Keller Geo & Bons121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Walker Fert Co 1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| hendall Geo M 122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Weathered 8 8on TW1222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Jones Hiram T. 193 Kasting W F. 191 Keiter Bros B. 194 Keiter Geo & Bons 124 Keiter Harian P. 193 Kendall Geo M. 199 Kendall Geo M. 199 Kennicott Hrva Co. 193 Kinn J M. 193 Krafts Plant Tonic 124 Kroschell Brow Co. 125 Kuchn C A. 193 Kuhl Geo A. 124 Lager & Horrel 121 Lager & Ho | Vaughan, McKellar & Winterson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kraft's Plant Tonic 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Webber & Don.   1205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Kuchn C A 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Williams, The FR Co Fig.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lager & Hurrell121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Witthold Geo 1213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lang Julius 120<br>Leteiller A. Sons 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4 100 mm 2 5 100 mm 2 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ley John H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 Wors CW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LOCKIANO Lidm Co 122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 YOUNG TROOK AF 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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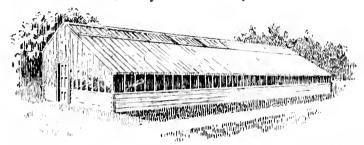
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# THE AMERICAN FLORIST



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#### THE AMERICAN FLORIST

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#### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS-WM. F. GUDE. Washington, D. C., president; A. DONAGHUE. Omaha, Neb., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oll City. Pa., treasurer, The fourteenth annual meeting will be held at Omaha, Neb., August 16-19, 1888.

THE AMERICAN CARNATION SOCIETY.
Annual Convention at Philadelphia, February, 1899.
ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Omaha, Neb., August, 1898.
ELMER D. SMITH, Adrian, Mich., secretary.

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THE NEW DIRECTORY of florists, seedsmen and nurserymen of the United States and Canada will be ready for mailing soon. Twenty-five hundred new names. Postpaid for only \$2.

# Experiments with Chemical Fertilizers on Greenhouse Plants.

[Paper read by Protessor W. E. Britton before the New York Florists' Club, May 9, 1898.]

It needs no argument to show that we live in a progressive age. There is proof of it on every hand. New methods are being advocated, new processes discovered, new contrivances devised, and new articles of commerce placed on the market. Gardeners, however, are said to be conservative men. It is asserted that they grow plants in the same way that they were grown a score of years ago; the compost heap must be prepared after a certain formula, and in potting plants certain rules must be observed or the plants will not grow. However this may be, I do not blame the gardener for his conservatism. He is merely following the highway that experience has constructed for him. He is fairly sure that if he exercises care in preparing his soil, his seeds are good and the sun shines, that his plants will be a success much more surely than if he adopted every new plan, tried every scheme for fertilizing plants, or threw away his good old soil and attempted to grow his plants in dust, shavings or coal ashes.

I do not know to what extent the commercial or concentrated fertilizers are used to-day by florists and gardeners in greenhouse work. I am led to believe that most growers depend upon the compost heap and the stable for a large portion of their plant food. Many, perhaps all, have used fertilizer chemicals, with various results. If you expect that I am going to tell you how you can use them with absolute success in your greenhouse work, you will be disappointed. As yet we know far too little about the effect of these chemical manures upon the plants, and also too little about the contents of the soil that we use, to ensure a successful culture.

I shall merely give you an account of what we have been doing, and are still trying to do at the Connecticut Experiment Station, to throw more light upon the subject.

At the outset allow me to state that probably plants can be grown with success entirely by chemical fertilizers when we know how to use them. The trouble lies not with the chemicals, but in our ignorance of the use of these concentrated forms of plant food.

In planning the experiments of which I shall speak, it was obvious that a very poor soil should be used or the effect and influence of the varying amounts of fertilizers that we should apply would be masked and wholly lost sight of by and under the influence of the plant food already in the soil. Coal ashes and peat

moss were used by our Director, Prof. S. W. Johnson, in some vegetation experiments previous to the beginning of this work. He found this a good medium for roots to ramble in; it is cheap, easily procured and contains very little plant food.

Peat moss is imported in bales and is used for stable bedding. This has to be torn apart and sifted in order to be mixed with the ashes. About three per cent. (by weight) is mixed with the ashes in order that the soil may hold moisture better, and to improve its mechanical condition. Plants stand in it more firmly than in plain coal ashes. The peat contains no readily available plant food.

Both ashes and peat moss are sifted to pass a screen with four meshes to the inch. For ashes either anthracite or bituminous coal may be used. In preparing this soil the ashes, peat, and fertilizers are carefully weighed out and mixed together thoroughly by repeated shoveling over. A little carbonate of lime (say one ounce for each 100 pounds of soil) is added to neutralize the slight acidity of the peat moss.

The potting soil or compost was prepared by composing good turf with onethird its bulk of stable manure.

These two soils (compost and coal ashes and peat) will be mentioned several times in this paper, and except where otherwise stated have been prepared as just described.

We have found the ashes and peat an excellent medium for use in studying the effects of varying quantities of the fertilizer.

Nitrogen, phosphoric acid and potash are the three fertilizing elements necessary to all plant growth. Of the three, perhaps the most important is nitrogen; the plant uses considerable of it and it is rather hard to obtain. But it is a mistake to suppose that a plant can grow on one or even two of these elements. All three are necessary. Leguminous plants are able to take a portion of their nitrogen from the air, but the vast majority of plants are obliged to obtain nitrogen only from the soil. The potash and phosphoric acid must always be taken from the soil.

There are on the market a great many fertilizers prepared for special purposes. There is a potato fertilizer, a fertilizer for corn, another for use in greenhouses and so on. The more I work with fertilizers the more I am convinced that these special manures are not needed by the average agriculturist. Any fertilizer that contains a good percentage of each of the three essential fertilizing elements will suffice to grow any crop—It is true that different plants require these three

elements in slightly different proportions, but the grower does not know the proportion of these fertilizing elements as they exist in available form in his soil. The proportions vary in different soils and may be nearer right for a certain crop in some cases as they exist in the soil than they are after the special manure has been applied. On some soils a special mixture may be best, while on another it is not. So for the average another it is not. So for the average grower it is probably about as well to use some high grade general fertilizer.

In our experiments, we have used the fertilizer chemicals instead of any pre-pared commercial brand of fertilizers. Nitrate of soda has been used as a source of nitrogen of which it contains about 16 per cent. As a source of phosphoric acid we have used the dissolved bone black which has about 1612 per cent, of phosphoric acid. Potash has been obtained by using the muriate, which is nearly 50 per cent. potash. We have also employed some cotton seed meal which furnishes a certain amount of each of the other ingredients necessary to plant growth.

#### TOMATOES.

A study of the fertilizer requirements of the tomato erop as grown under glass was commenced during the winter of 1894 and 1895.

For this first culture two soils were used. The coal ashes and peat moss which I have already described was employed, and compost was also tested beside it. Our first endeavor was to find out how much nitrogen is removed from the soil by a crop grown under glass in the usual manner, and later to ascer-tain the amount of nitrogen that needs to be in the soil to meetfully the demands of the crop. We studied these questions by growing plants in a soil known to be practically free from available nitrogen. Plots filled with the coal ash soil were given fertilizers varying from nothing to over 30 grains of nitrogen, 30 of potash, and 8 of phosphoric acid. Each plot had an area of 13.87 square feet, and contained six plants.

These plants were seedlings which had been grown in good potting soil and were nearly ready to show their first blossoms when set in the benches. The soil from 4-inch pots was placed in the experimental plots so as not to disturb the roots of the plants. The plants were trained to a single stem and all trim-mings saved for analysis. Each ripe tomato was weighed and its weight re-

Where no fertilizer was added the plants grew a little taller, but scarcely thicker than when set. The fruit was very small, but perfect in shape and hard and firm. To the taste it was dry and sweet, but somewhat lacking in flavor. It was very light colored

The plot receiving the greatest quantities of fertilizer produced the largest yield and the fruit was generally excellent, but occasionally a tomato would fail to ripen evenly or perhaps would be hollow-celled. Sometimes a fruit would become soft and assume the normal color of a ripe tomato, except around the stem, where it would be green.

At the times these cultures, were made, duplicate plants were set in pots-filled with rich compost for the sake of afford ing a rough comparison between the crops as grown in the two different soils. We were greatly surprised to find that a larger crop was produced by the plants growing in the artificially prepared and fertilized soil of coal ashes and peat moss than was obtained from the seemingly

more natural combination of decayed

turf and stable manure.

From these primary tests we learned that our soil of coal ashes and peat moss could furnish some potash and a little phosphoric acid to the plants, but no nitrogen. The analysis of fruits showed that tomatoes grown in such a manner were perfectly normal in chemical composition. Also that in the plot giving the largest yield, the quantities of plant food actually used by the crop was equivalent to 2 lbs. 5 oz. nitrate of soda, 13 oz. dissolved bone black, and 1 lb. 9 oz. muriate of potash for each 100 square feet of bench space. Each 100 pounds of ripe tomatoes removed from the soil the equivalent of 14 oz. nitrate of soda, 5 oz. dissolved bone black and 10 oz. muriate of potash. Four plots with regularly increased applications of nitrogen gave corresponding increases in yield of fruit, in average number of fruits per plant, and of nitrogen, phosphoric acid and potash in the crop.

In this first tomato experiment it was quite evident from a perusal of the figures obtained that the limit had not been reached as regards nitrogen, and that the plants might require more potash and phosphoric acid in order that they might use more nitrogen. So the next season and on to the present time, the experiment has been continued and extended

and elaborated.

We have used compost both with and without additional fertilizers, and in every case a better crop was obtained from the compost alone. The addition of chemicals depressed the yield. Until the present season we have always obtained a larger yield from ashes and peat with chemicals, but it is different with the present crop. We have found the maximum limit, and some of the plants are now suffering from an overdose. We reasonably expect to get the best yield from the compost this time.

The best yield last season was made from ashes and peat to which had been added for each 100 feet of bench space 6.4 lbs. nitrate of soda, 1 lb. of dissoved bone black, and 2.4 lbs. muriate of notash. This may be a larger quantity than can be profitably used in most instances.

The amount of light, the watering and ventilating of the houses doubtless exercise considerable influence upon the vigor of the plants, and on these conditions probably depends to some extent the ability of the plant food to obtain and use the plant food of the soil.

#### RADISHES.

The fertilizer requirements of the radish erop as grown under glass has also been the subject of investigation. A some-what critical study was made during two seasons, in three kinds of soil-compost, coal ashes and peat, and coal ashes without peat. Compost was used both with and without the addition of fertilizer chemicals. The results are rather curious. Coal ashes alone can not be recommended as a soil for radishes, but when 3% of peat is added it makes a good medium. In every instance, the first season, radishes were ready to harvest from one to four days, and the second season from one to two weeks earlier than the plants grown in compost. They were smoother and the quality was inferior. We pulled the radishes when three-fourths of an inch in diameter, and bunched them ten in a bunch. One thousand such bunches can be grown on about 50 'square feet of bench space, and take from the soil the equivalent of 2 lb. 1 oz. of nitrate of soda, 10 oz. dissolved bone black and 1614 oz. muriate of potash. The radish is less particular as to the amount of chemicals applied in the fertilizer than some other plants.

No very great difference occurred between plots having different amounts of nitrogen, phosphorie acid and potash. The tops were slightly larger where large amounts were given, but the bottoms were ready to harvest at about the same time. To the soil of coal ashes and peat add for each 100 square feet of bench space two and one-half pounds nitrate of soda, the same quantity of dissolved bone black and one and one-half pounds muriate of potash, thoroughly mixing the fertilizer with the soil. This will grow three successive crops of radishes. If seed



DENDRORIUM PHALAENOPSIS

be planted between the rows when the first crop is nearly half-grown, and the practice followed, four crops can be taken from the soil during the same period required to produce three successive crops.

Compost alone produced as good crops as where additional fertilizers were em-

ployed.

Similar experiments have been conducted with lettuce and cuenmbers. Cueumbers were a success in coal ashes and peat moss with chemicals. From a bench space of 100 square feet ninety-nine pounds of cueumbers, averaging 7.4 ounces each were obtained, as against eighty-five and a half pounds with an average of 7.2 ounces each from the compost soil.

But we have never been able to grow as good lettuce in ashes and peat with chemicals as in compost with stable

manure.

A possible reason for this may lie in the fact that lettuce is more particular regarding the physical condition of the soil than some, and perhaps most, vegetable

erops.

A year ago we grew Boston Market lettuee in three plots on the same bench. The plots were filled with coal ashes and varying quantities of peat moss. The first contained 6% by weight, the second 9% and the third 12%. Fertilizers and all other conditions were the same in all the plots as far as it was possible to make them. The best lettuee was produced where the largest percentage of peat moss was added.

]TO BE CONTINUED.]

#### Dendrobiums for Florists.

There is no dendrobe in the whole long list that can equal the old D. nobile for commercial purposes; it is easily propagated, grown and flowered, and can be kept in good health indefinitely. It a number of plants are purchased, they may be had in succession from Christmas to May, or even later; but this late flowering interferes with the growth for the following season, and plants that are to flower next year early ought to be already started to grow so that they may have a good rest after growth.

D. Phalænopsis is another fine species, bearing its flowers in elegant sprays during the late autumn and winter months. The colors are rich and varied, but the truth must be told, namely, that it does not improve with the cultivator. It is quitecommon for it to deteriorate after the first two or three years under cultivation. The plants will probably have paid for themselves by that time, but it is very unfortunate that we cannot keep it easily. However, all of the dendrobes that come from Australasia are similar in

this respect.

D. formosum is a well known kind commonly seen in collections, but there is a near relative, D. Jamesianum, that requires but a cool greenhouse temperature to grow it. The flowers are almost as large as in D. formosum, and quite as freely produced year after year from the same stems; they are pure white with a bright red spot on the lip. It is a very desirable plant, and has been aptly described as an alpine form of D. formosum, which it resembles in all its parts except that they are smaller and more slender.

D. Wardianum is to my mind the best dendrobium ever discovered; the richness of its coloring, the long slender bulbs covered more than half their length with bloom is a sight that makes glad the eyes of all, be they cultivators or buyers. D. Wardianum requires similar treatment

to D. nobile when in growth, but when at rest loses all its leaves before flowering. It is a mistake to keep orchids in a steaming, stifling temperature and expect them to grow vigorously. Givethem plenty of air at all times when practicable, and in the summer months let it remain on day and night; shade from the hot sun and never let them want for water until growth is completed; then gradually lessen the quantity as the sun decreases in power, and there will be no trouble in growing the above dendrobes profitably.

encouragement for a chrysanthenium show than for one of our popular annual, and so our county society has planned for the latter only. Our Springfield Amateur Horticultural Society, which is the real working society of this city, usually gives a June and a fall show. This latter society had phenomenal success last June in the matter of drawing a crowd, and, indeed, being an amateur society, we devise every way to keep our work near the hearts of the people.

The schedule for the sweet pea show grows more interesting every year. The



KLEHM'S GONTIER ROSES.

#### Gontier Roses at Klehm's Nursery.

Remarkable sneeess has been achieved with Papa Gontier roses at Klehm's Nursery, Arlington Heights, Ill. The plants are grown in a solid border, and although now six or seven years old they have never failed to produce a good erop of extra fine flowers for the Christmas holidays. A fair amount of blooms are obtained during the winter, and a full crop again at Easter. The plants are at all times grown cool, and ventilated as freely as earnations.

#### Sweet Pea Notes.

Blessings on your valuable columns for every encouragement given to the sweet pea. We hope that this royal flower will long hold her court at Springfield, Mass., and surely she is preparing to do so again this year. We never need to thresh over old straw to get something worth writing about this flower.

Our Hampden County Horticultural

Our Hampden County Horticultural Annual is out, and it is little else than a sweet pea report and schedule of our 1898 sweet pea show. With us there is less Eckford challenge eup, which was offered for the first time last year, is open to competition again. It must be won twice to be permanently owned. Mr. C. M. Hartzell, of Holyoke, Mass., took it last year. I have just been looking over his rows as planted March 17, and they bid fair to crowd the other fellows hard. I see that he uses level culture, planting two inches deep. Even the Eckford sealed packets he puts right into the ground, and they have germinated finely. I can not do that in my soil. It was peculiar that while Mr. Hartzell's vines last year were spoiled for the time by the fifteen inches of rain that we had in July, they rallied so that he made a fine showing in Angust; most people suffered total disaster

The experience of W. J. Eldred, another close competitor, goes to show how all our self flattered efforts at scientific work are sometimes as unreliable as the whims of a coquette. He planted one-half his stock at home where it would have every attention, and whereit did splendidly the year before, and the other half up in the country where it had to take its chances. When blooming time came a man was

never rewarded with a meaner mongrel mass than those home rows showed. while a magnificent showing came to the exhibition from the up-country rows. For some occult reason, in spite of intelligent work, the peculiar season destroyed the identity of almost every variety, while the same seed up in the country. where it came later into bloom, gave blossoms true to a dot.

We find it very difficult to fix a satisfactory date for our sweet pea show. Usually our best growers are ready by the second week in July, but two weeks are generally allowed for the tardy ones. a generous concession made by the former at the expense of their exhibit. This year we have put the date July 20 and 21.

At the last show a committee of three excellent judges consisting of O. H. Dickinson, L. D. Robinson and W. J. Eldred was appointed to select a list of sweet peas most desirable for general culture. They named the list in three sections of a dozen each. On the whole it is an admirable choice, but cannot be expected to tally with everybody's judgment. The first dozen are: Aurora, Blanche Burpee, Blanche Ferry, Burpee's New Countess, Firefly, Golden Gleam, Her Majesty, Lovely, Maid of Honor, Royal Rose, Stanley and Venus. The second dozen Stanley and Venus. The second dozen are: America, Captivation, Countess of Aberdeen, Dorothy Tennant, Katherine Tracy, Lady Penzance, Mikado, Mrs. Eckford, Prima Donna, Ramona, Waverly and Gray Friar. The third dozen are; Apple Blossom, Brilliant, Coquette, Captain of the Blues, Duke of Clarence, Emily Lynch, Lottie Eckford, Meteor, Mrs. Joseph Chamberlain, Mars, Ovid and Senator.

It is unfortunate that Mr. Eckford's recent introductions do not keep pace with the growing interest. Last year's advance list will probably show better form this year, but almost no novelty in color. This year's set will put us a little further along in three popular colors, the bright rose, the orange and the deep maroon. I am sorry to find that Chan cellor, the new bright orange, is a poor

germinator.

The California novelties give us more originality. The creamy buff shades of the Burpec set and the dark prune blue of one of the Sunset Co.'s novelties are excellent. Mr. Walker is on the road to novelty production, but not there yet. I object to cluttering up the list with striped sorts unless they are of decided merit. We shall bring discredit on the novelty business unless the stripes are given a decidedly inferior value to the self The shifting nature of all the stripes admost debars them from a title to rank with named varieties. I wish they might go under the name of the selfs to which they belong with the prefix striped. Otherwise we double the list of names. Of course anything that can win a certificate should have its own name,

It is too early yet to tell whether the American Sweet Pea Society will take shape this year. Probably an attempt will be made at Springfield in July to launch it on its history. My already busy life forbids that I should be enthusiastic about this organization, but I sincerely hope that we now have a sufficient working force on this flower to push it into the dignity of a national society. When such a section of the country as that lying between Rochester, Ithaca and Elmira, N. Y., shows an enthusiasm in any flower we may be sure it is a flower that has a future. Both Cohocton and Elmira are stirred in preparation for sweet pea shows this year.

Our Springfield schedule shows one encouraging feature, that the prize money on which such a show must depend comes in good measure from the seedsmen. This is more likely to become a permanent feature than other methods of raising money. The large growers in California also offer generous assistance which does

not appear on our schedule.

Until within a few days my plans were made to again visit C. C. Morse & Co., Santa Clara, Cal., this year, but their latest word reports such a disastrous drought that it will probably be better to postpone the visit till another year. Their novelty work was what I had been invited to come and look over, and 1 was expecting a rich treat. Unless they had two inches more rain before May 1 the outlook was very disheartening. It would now seem inevitable that there will be a great shortage in all seed crops. In the one item of sweet peas the contracts made led to the planting of a large acreage, but the last advices from there report the shriveling vines as past redemption unless a two-inch rainfall comes to their relief. It was Mr. Burpee's planalso to be there. In my last trip to that state nothing impressed me as more beautiful and grand than the immense blanket of seed stock in different stages of growth, blocked into all shades of green, and lit up with great sheets of color. It is a sight that well pays for the long journey.

But while drought is afflicting them, there is no drought in the east. longing for the daily drizzle to ecase and the sun to again shine forth. A kind providence favored us with a phenomenal March. I planted my sweet peas the 15th of March, a date earlier than I could ever plant before. But we have had our March in April. W. T. Herchiss.

Massachusetts.

#### A Missouri Success.

George M. Kellogg, president of the Maplewood Cut Flower and Plant Company, of Pleasant Hill, Mo., has achieved no inconsiderable success as the accomno meonsideranie success as the accompanying engraving will show. The entire 10,000 square feet of glass is devoted to the production of cut flowers, and the

quality of the crop invariably finds for it a ready market.

#### New York.

FLORISTS' CLUB MEETING. -INTERESTING LECTURE AND DISCUSSION ON FERTILI-ZERS,—ABOUT JADOO.—A TREAT IN STORE FOR THE LADIES.—BUSINESS QUIET.—A FLORIST ARRESTED.

At the meeting of the Florists' Club. Monday evening, there was a very light attendance. Prof. Britton's address on the subject of chemical fertilizers, which we publish in another column, proved to be very interesting, not only because of its thoughts but on account of because of its thoughts but on account of the easy manner and pleasant delivery of its author. Λ number of photographs, illustrating various experiments were passed round during the lecture. At its close, President Plumb, in thanking the lecturer, expressed a desire to know something of Prof. Britton's experience with the fertilizer known as jadoo, which brought Secretary Young to his feet with an inquiry as to whether the difference in value between German peat moss and jadoo warranted the great disparity in price of these two articles. Prof. Britton replied that he did not wish to say anything to hart the business of the Jadoo Company but that he thought the price of jadoo rather excessive. This material, he said, was German peat moss lightly fertilized, and, being very wet when delivered, was found to contain 68 per cent. of water. After being dried out and analyzed it showed less than 1 per cent. of nitrogen, phosphoric acid and potash. No doubt flowers would grow in it, but if he were a florist he would make his own material, simply taking peat moss and impregnating it. The patent does not give any formula, the only specification of importance being the process of boiling the material, which, in his opinion, did not add to its value for plant growing purposes.

President Plumb said that he had tried

jadoo and found that roses did not make a root in it; Farleyense ferns did well but not any better than in ordinary compost, and he thinks he can get along nicely without it. II. A. Siebrecht added his testimony to the effect that he had tried several tons of jadoo. It soured and became stagnant after a little while. He found it useful as a sub-drainage over the broken crocks in repotting plants, the new roots seeming to take to it, but chopped up sphagum moss and fertilizer gives the same beneficial effect, and the latter can be bought for \$7 a ton.

A. Herrington remarked that mother earth never went back on us yet, and that, without doubt, we have been paying too much attention to the medium used as a potting material. He had tried jadoo and other special preparations and came to the conclusion that while it might be very useful for amateurs with a



ESTABLISHMENT OF THE MAPLEWOOD OUT FLOWER AND PLANT COMPANY, PLEASANT HILL, MO.

few plants, it will not appeal to the practical gardener so long as he has the unlimited resources of the earth. Replying to an inquiry by Mr. Wallace, Prof. Britton said that the adhesion of the petals in carnation buds, which had been attributed by some to excessive nitrogenous food, still remains a mystery for which he is unable to offer any explanation.

W. J. Stewart announced on behalf of the essay committee that Prof. Louis C. Elson, of the New England Conservatory of Music at Boston, will deliver a lecture before the club on "Flowers and Music" at the June meeting. This being the closing meeting of the season the committee has decided to make it a ladies' night and provide strawberries and ice cream in recognition of the presence of the fair sex for the first time in the club's history. On account of the wide popularity of the lecturer and the limited size of the hall it will be necessary to limit the attendance by the issue of tickets of admission, probably three to each member of the club.

The president announced the death of J. D. Burnett, of Madison, and a vote was taken instructing the secretary to forward resolutions of condolence to the family. An invitation from the Educational Alliance to co-operate with it in giving a spring exhibition was declined, and a like proposition from the Gardeners' Society for a fall show was referred to the exhibition committee. On the exhibition table were some Rex begonias and a new oncidium of the Cavendishii type from W. A. Manda, to each of which the committee awarded 75 points. Signor C. Gnarro entertained the club with patriotic and other airs on the organ.

Business has settled down to a steady gait, not equal to the average for May, but better than the conditions of two weeks ago would lead one to expect. The war has become less of a sensational matter, and people have arrived at the conclusion that it is possible to go on with business as before regardless of whether there is war or not. Decorations and events of special magnitude are rare, the greater part of the demand for flowers coming from small orders for everyday happenings.

P. Kontulis has been arrested, and held in default of bail, on complaint of Julius Roehrs, who alleges that Kontulis contemplated disposing of his business and defrauding him and other creditors.

#### Carnations.

With a great many growers May might well be termed the month of disappointment. At least it seems to sellers of rooted cuttings as if this would be the true term to apply, for orders are coming in daily for stock of which they are sold out, and the orders have to be filled in part only or returned entirely. The sender of the order by the time it is returned and he gets it off to another grower of cuttings is more than likely to have it returned unfilled the second time, and very often he will take stock which he did not want in order to make up the number required for his place. Next winter the space that should be devoted to the best variety of its color will be taken up with a second rate sort and quite a difference will be returned in profits, all because an order was not placed in time.

Right now it is well to make a mental note of this and resolve to not be caught napping next season. There are of course a number of growers to whom this does not apply, and their number will be nereasing every year; but there are many

to whom it does apply, and to these it is usually either a disappointment or a direct loss. Occasionally you will see a nice lot of stock and be told by the grower that the cuttings were propagated late in May and planted out in June, but in spite of this fact if you will call at the same grower's place about March of the following year you will find that he is propagating his stock then and not waiting until May, as his success with May struck cuttings might lead you to think he would.

A rooted cutting taken from the sand as late as May 15 or June 1 will probably make a good plant by fall il given the best of care and attention. Where a variety is very scarce it is of course better to have such cuttings than none at all; but whether you buy them or grow them yourself, do not expect a good plant unless you are willing to put extra labor and expense on them. With the exhibitions given by the various florists' clubs, and the meeting of the Carnation Society in February, and the full reports of all these happenings in the trade papers, the grower of cut carnations can easily make up the list of varieties he wants to grow for the next season, and how many he wants of each, by the first of March. Then is the time to start propagating or to arrange to buy them. Attending to the matter at this date leaves a little margin for delay and you are reasonably sure of getting what you want.

Many growers do not have the room to grow their young stock on if propagated or bought so early in the season, but that is no excuse for leaving the ordering of it until May, as there are plenty of cutting growers who will be willing for a consideration to grow them for such parties and hold them until ready to plant out. As a buyer I would much prefer to take care of my own stock, and anyone who wants to grow carnations and make money out of them would do better by arranging to have the room necessary for planting or potting up their young stock and growing it under their own care and supervision.

There is another thing that is forcibly brought to our attention this month, and that is the lack of promptness so common among florists in answering their letters. At this late date it is very important both to the buyer and seller of cuttings or plants that their letters be answered at once. The man wanting the cuttings is entitled to a reply at once if the order can not be filled, and the man who has them to sell is entitled to the same treatment, as it is getting late and he may miss an order by waiting for your reply. It will not hurt any of us to look a little farther ahead than we do in our business and be a bit more prompt in our dealings with each other. ALBERT M. HERR.

#### A Curious Blemish Upon Dracaena Leaf.

A few days ago a leaf of a dracæna came into my possession for study. Upon the upper side and midway between the tip and base was a peculiar blotch an inch and a half across, not easily described. In color it was almost black and showed lines, darker than the other portions, that seemed to radiate from a central point. One person said that it must be the April fool work of some mischievous lad who was handy with a brush and had access to a paint pot and the greenhouse where the strange mark was found.

A microscopic examination of the blotch, however, revealed the fact that the "paint" was composed of spores along with enough of colorless substance to glue them quite securely to the leaf. These spores are oval and make up the dark lines, while a less number are scattered between these small ridges.

From this it is concluded that the very striking disfigurement of the dracæna leaf is due to a fungus, and as it has no more than a surface attachment and the leaf is not injured by it, the suggestion comes that the growth, whatever it may be, fell upon the leaf and had become dried



out when and where it was found. The color of the blotch and the size and shape of the spores confirms the opinion that the fungus is the remains of a toadstool that may have grown somewhere above the plant and fallen from its place of attachment in such a way that the cap became spread out upon the leaf where it adhered, as shown in the accompanying engraving.

If we wished to be more particular it might be said that the toadstool was one of the small ones that flourish for a day and then wilt away leaving only the spores. Some of the genus coprinus are of this type with the spores nearly black and when in the moist condition and about ready to collapse will drip black drops that have been used for ink.

Byron D. Halsted.

#### Philadelphia.

BUSINESS IMPROVES BUT PRICES SHOW LITTLE CHANGE.—LATE STOCK IS VERY GOOD.—THE THEATRICAL BENEFIT.—PERSONAL AND OTHERWISE.

Business, which has been anything but good, even for the season, is showing a considerable improvement since fine weather arrived. As a matter of course flowers are plentiful; outside lilacs are offered in quantities and sell well. Dogwood is in full blossom and helps out many a decoration.

Prices are about the same as last week; \$4 to \$6 for tea roses; Beautics from \$4 to \$25 per 100; \$2 per dozen buys all but the extra long-stemmed stock, a lew of the fanciest of which are held for \$4 per dozen. Carnations range from \$1 to \$2 per 100, a few fancies bringing \$3. Whites have been the best sellers of late.

There are quite a few longiflorum liles on the market, Westcott Brothers and Robert Craig each having a house of late ones. Neither lot shows any disease to speak of.

Mr. Craig, on a visit to Lancaster, Pa., last week, saw some very fine houses of Mme. Albertini. They were grown on the benches continuously and were not planted outside. Quite a few growers are advocating this plan and say that they get the best results from this mode of treatment. Mr. Murray, of Atco, is

sending in some Lizzie McGowans which would be hard to beat with even the best of the new whites. The stems are particularly strong; the flowers are large and are of the purest white. Hugh Graham's Victors are also as good as at any time this season.

George Faulkner and Wm. Falk, the janitor of the club room, both of whom went with their regiments to the recruit-

ing rendezvous, have returned.

The theatrical benefit of the Florists' Club at the Walnut street theater last Wednesday was a great success. A sum was realized nearly sufficient to pay for two large trophy cases which will be creeted in the club room in a few days. A number of bouquets contributed by the members of the club were presented to the actresses during the play and the stage was decorated with palms and vases of American Beauty roses.

W. K. Harris has been on the sick list again the past week, but we are glad to be able to say that he is improving and will soon be able to leave the house.

Thos. Cartledge, who has been unable to attend to business all winter on account of ill health, does not seem to improve, the spring weather not having the effect that was hoped for. The past week has been a very trying one, he having suffered severe sinking spells which have greatly taxed his vitality.

Pennock Bros. are about to put a new

Pennock Bros, are about to put a new wagon on the street. It is quite up to date and will help in keeping up the standard of the delivery service, which is now considered of so much importance by all the retail dealers.

#### Boston.

MAY EXHIBITION.—FINE CALCEOLARIAS AND RARE ORCHIDS.—PLANT TRADE LIVELY.—CUT FLOWERS QUIET.—PARK WORK PROGRESSING.—DEATH OF MISS FITZPATRICK.—GEORCI. MULLEN IS MISSING.

The May exhibition of the Massa-chusetts Horticultural Society was a good one. The calceolarias were remarkable for size, uniformity and variety of color. There were forty specimens averaging about three feet in diameter. Mrs. B. P. Cheney (John Barr gardener) took first and third prize on six, Dr. C. G. Weld (K. Finlayson, gardener) second and J. S. Bailey (Wm. Donald, gardener) fourth. On specimen plants Mr. Bailey was first, Mrs. Chency second and E. T Converse (b. F. Roy, gardener) third. Show pelargoniums from X. T. Kidder (Wm. Martin, gardener) and ivy-leafed geraniums from John Jeffries were ex cellent. | L. Rothwell (John Mutch, gardener) showed a handsome group of orchids and Dr. Weld displayed Indian azaleas. J. L. Rothwell also exhibited a blooming plant of Phala nopsis Harriette. a cross between grandiflora and violacea. said to have been a part of the Corning collection, and which the judges decided to honor with a certmence of meet, which was, however, declined by its to honor with a certificate of merit, on flower displays were large and bril Tulips from W. N. Craig and H. A. Wheeler, hardy narcissi from Dr. Weld and 3. S. Craig, a superb show of pansies from M. H. Walsh, of the J. S. has estate, and promisenous collections st carnations, princulas and pelargoniums from W. S. Crang James Cowley, Rea Bros. Mrs. I. M. (all and others helped to fill the tables I rom C. G. Roebling. of Trenton, N. J. came a bloom of Cypri pedium Lawrenceanum var, Hyennum, a beauty in white and green, which received a certificate of a crit. There were several large, and interesting collections of wild Howers

The most active people just at present are the plant dealers. The long spell of cold, rainy weather had a very discouraging effect on the plant trade, and now that the days are seasonably warm and bright and people are encouraged to improve their gardens and dooryards, the demand comes all in a rush, and bedding plants will have the right of way until the end of the month. The cut flower business is quiet, the only activity worthy of the name being in the demand for white flowers. So for the present Brides are in better demand than Bridesmaids and bring a better price; white carnations hold the lead over all the colored ones, and thus it is all through the line. Outdoor tulips, daffodils, hyacinths, pansies and shrub blooms are now available for all uses to which promiscuous colored material may be put, and conditions are likely to remain as they are until Memorial Day comes.

A great amount of work has been done. and well done, this season in the Boston parks. Something like 100,000 trees and shrubs have been planted, a portion as new plantations and a considerable part as replantings where the work was improperly done originally. The borders and groups of the Back Bay Fens have been given a needed overhauling and sunlight and air have been admitted for the first time in years to the tangle of overgrown and dead branches. In the mean-time the critics wax frantic and are organizing on all sides for war upon park commissioners and superintendents who are doing conscientionsly and thoroughly the work entrusted to them, basing their work upon practical experience and common sense rather than sentiment, and knowing that a few years will demonstrate the wisdom of their methods.

Miss Minnie Fitzpatrick, who has been for many years bookkeeper for W. E. Doyle, died on May 8 after a brief illness.

She was a niece of Mrs. Doyle.

George Mullen, formerly in the wholesale and later in the retail flower business, is missing. He has been in financial difficulties for some time.

Jackson Dawson is recovering from his illness and hopes to be all right again soon.

1). Hartford is about to open a floral store at 143 Portland street.

Geo. A. Sutherland is receiving fine Cape violets.

II. A. Siebrecht, of New York, is a visitor this week.

#### Chicago.

BUSINESS DULL. — THE FLORISTS' CLUB WEETING AND DISCUSSION.—PROSPEROUS SEASON ANTICIPATED.—BUDLONG'S NEW STORE.

Business continues dull. Fewer roses are coming in than a week or two ago, and the Brides and Bridesmaids from some of the growers are badly mildewed. The cut of roses will gradually become smaller from now on till the crop begins to come in from the young plants which are now being planted. Many growers have already replanted a large number of their houses. Preparations are being made for a large increase in trade which the growers around Chicago generally expect next season. Carnations, especially of the new and better varieties, will be more largely grown than ever.

Paromes are in the market, and red officinalis is to be had in quantities. The later varieties look very promising, and several large lots will be about right to Memorial Day.

The meeting of the Florists' Club Luday evening, May 6, was an event

that will be long remembered because it was the first meeting in the new rooms, and on account of the large number of applications for membership which were received. Edward Winterson presented ten applications and C. W. McKellar offered a list of six, all of whom were elected. The subject for discussion was "Palms, Ferns and Decorative Plants." Ernst Wienhoeber opened the discussion with remarks from the standpoint of a retailer and decorator. He finds the renting of plants by the load for decorative purposes very unsatisfactory to the dealer who sends out only good plants, as the value of a load such as are rented at from \$10 to \$15 is from \$60 to \$200. The cost of taking them from the greenhouse, arranging them in a decoration and returning and re-arranging in the greenhouse is fully one-half the amount received, while damage to plants is always considerable, and often double what is received as rental. Mr. Wienhoeher finds that of palms, Kentias give the best satisfaction for house culture except perhaps Cocos Weddeliana, which, until recently, he has been unable to get in quantity of suitable size. The latania is more generally liked than any of the palms, but in house culture it has not the keeping qualities of Kentias, the points of the leaves soon turning brown and becoming unsightly when trimmed. Livistona rotundifolia gives even less satisfaction than Latania Borbonica. Nephrolepis Bostoniensis has given ex-cellent satisfaction as a house plant, as has Polypodium aureum. A. McAdams called attention to the fact that Cyrtomium falcatum is one of the best of all ferns for house culture, it being good in all stages of growth. After the club meeting, the bowlers en-

After the club meeting, the bowlers enjoyed an inning at the alleys. Two games were played, the team captained by Ed. Winterson winning both, but the high score, 188, was made by Robert Schenk, captain of the opposing team. The bowlers will, hereafter, play every

Friday night.

There will be paonies from now on till July or later, and the crop promises to be larger and better than usual. Memorial Day will be more generally observed this seasor, than usual as there will be more flowers and flowering plants than ever before in the history of the trade. Every grower who has a crop of flowers or plants suitable for the occasion will be sure of a good market. There has been very little bedding done, and orders for bedding plants are coming very slowly. The stock of geraniums and other bedding plants this season is very large, and good 3-inch plants are sold on the street at from 75 cents to \$1 per dozen.

J. A. Budlong, of Bowmanville, has rented a store in the basement of the Atlas Building, on Randolph street, near Wabash avenue, where, after May 15, he will sell the cut flowers produced in his greenhouses. John Zeck, formerly with Reinberg Bros., will have charge of the store.

The Chicago Flower Mission opened at 26 Van Buren street on Tuesday. The ladies in charge collect flowers to send to the hospitals and, while expecting most of the flowers to come from amateur growers, will be pleased to receive blooms from other sources.

Visitors: A. Dimmock, representing F. Sanders & Co., of England and Belgium; Wm. J. Stewart, Boston, Mass.; Wm. F. Gude, Washington, D. C.; J. J. Van Waveren, of L. Van Waveren & Co., Hillegom, Holland, J. Austin Shaw.

J. T. A.

#### THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00, Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Ag \$1.00 per inch. Cash with Order

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch snace not accented. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

JOSEPH HEINL, of Jacksonville, 111., has sent us a package of fine young Irish junipers, from cuttings placed in sand last December.

E. C. AMLING, of Chicago, sends us copies of a useful telegraph code, and a card stating his methods of business, the latter beautifully decorated with "Old Glory" in gold and colors.

The present season is notable for the number of new greenhouses which are being erected in all sections of the coun-The long list of such changes and additions published in our last issue is supplemented by a number of others today, and we shall be pleased to note all new structures, with their dimensions.

WE have seen some promising new carnation blooms which were sent to Chicago by Henry A. Niemeyer, of Eric, Pa. Snow Queen and Uncle Sam were particularly attractive. The former is a pure white seedling, cross of Silver Spray and Lois J. Haettel, and has never shown a trace of rust. Uncle Sam is a pink and white striped. Other varieties included Pluto, magenta, and Rob Roy, a scarlet sport of Portia.

#### S. A. F. Officers at Omaha.

President Gude and Secretary Stewart, of the S. A. F., arrived in Omaha May 12, to complete arrangements for the forthcoming convention. After the meeting they were given a banquet by the local Florists' Club.

#### The Newport Photograph.

Members of the Society of American Florists and others desiring copies of the group photograph taken at Newport last August are informed that the undersigned has obtained possession of the original negative, and copies of same can now be supplied at one dollar each.

WM. J. STEWART, Sec'y. 67 Bromfield street, Boston, Mass.

#### Cut Flower Price Lists Received.

Bassett & Washburn, Chicago; H. L. Sunderbruch Co., Cincinnati; Holton & Hunkel Co., Milwaukec; Wm. F. Kasting, Buffalo.

#### Catalogues Received.

George C. Watson, Philadelphia, Pa., seeds; W. J. Hesser, Plattsmouth, Neb., plants; W. J. Godfrey, Exmouth, Devon, Eng., carnations; Van Til-Hartman, Hillegom, Holland, bulbs; Paul de Schryver, Loochrysty-Ghent, Belgium, plants; Henry Merryweather, Southwell, Notts, Eng., plants; Lawler Water Feed and Damper Regulator Co., New York, N. Y., boilers and steam fittings; Frank Banning, Kinsman, O., seeds.

#### Greenhouse Building.

Fairfield, Me.-A. F. Gerald, one conservatory

North Beverly, Mass.—George Glines, one greenhouse.

Kansas City, Mo.-Albert Barbe, one greenhouse.

Bristol, N. H.—S. D. Fellows, range of greenhouses.

Derry, N. II.—Mrs. Cullen, one green-

house 18x100. Frank Corson, one green-

Brooklyn, N. Y.-P. Wagner, two greenhouses each 17x100.

Baltimore, Md.-M. Richmond, three commercial houses each 12x190.

Stoneham, Mass.-A. Christensen, two carnation houses, each 20x100.
Helena, Mont.—State Nursery Co., one

greenhouse 12x53 and two greenhouses 16x129.

Morristown, N. J.-Elwyn Waller, 200 feet of rose houses, from plaus of F. Waller; H. W. Gibbons, contractor.

NORTH ORRINGTON, ME.-George Nichols is rebuilding the range of greenhouses which was recently destroyed by fire.

ISHPEMING, MICH. — The Ishpeming Floral Co. is making a number of additions and improvements at its greenhouses on Third street. Carnations, particularly, are to be grown on a more extensive scale.

BANGOR, MAINE.-Adam Sekenger is huilding two new greenhouses, 40x100 for roses, the other 20x100 for carnations. He finds bedding plant trade brisk, and is selling pansies as fast as he can fill the orders.

LEOMINSTER, MASS.-For a number of years, Geo. M. Kendall has been erecting substantial forcing houses for market gardeners in various sections of the country. He has now extended his facilities for the construction of florists' greenhouses, and will, in future, make a specialty of this kind of work. New England offers a good field for this enterprize, and Mr. Kendall's establishment is the first in this line east of New York.

#### Buffalo.

MOVING TIME IN THE BISON CITY.—TRADE RATHER LIGHT .- KASTING'S HEADER .-NOTES.

Trade in Buffalo this week has been confined to the up-town and down-town stores. Scott, Anderson and Adams were busy moving into new and more suitable quarters and the two columns in the papers which are usually sought for by the florists were not over-worked.

Wm. Scott removed to 546 Main street, in a larger and more commodious store from which all kinds of artistic floral work will be sent out.

S. A. Anderson spent a few days and dollars the past week in New York and Philadelphia to make his new store more attractive.

W. A. Adems removed from 452 Main street to 479 Main street, the store formerly occupied by Scott, and will make numerous alterations.

Our hustler, Kasting, of wholesale fame, as usual wants to be head first in everything, even in bicycling. He took a header in that the other day by reason of his fork breaking. Damage, one brown hat, 98 cents; skin off hand, amount not given.

D. B. Long is out with another new and very neat design in floral blotters.

A. R. Webb, of Corfu, called on the craft

this week but did not say how many carnations he was cutting.

W. J. Palmer's Daybreaks still keep up record of all winter, with large blooms and very good color.

#### The First Fire of the Florists' Mutual.

On April 13, the Florists' Mutual Fire Insurance Association sustained its first loss on the greenhouses of the Clinton Floral Company, of Wilmington, O. The policy was mailed from this office on the 9th of April. Under the by-laws the policy was in force from the time it was deposited in the mails here. The policy was not received by the Clinton Floral Company until April 14. On the night of the 13th it sustained a loss by fire aggregating on the furniture, plants, buildings, etc., about \$1,200. The insurance ings, etc., about \$1,200. policy covered only the buildings, including the heating apparatus. Notice of the amount of the loss was received by the secretary on the 18th of April. I immediately went to the scene of the loss and adjusted the same on the 20th satisfactorily to the insured for \$465. The proofs of the loss were sent to the president of the association. On the 28th I received word of his approval of the adjustment, and I wired the Clinton Floral Company that their draft for the amount of the loss would be honored by the association's treasurer, which was promptly done. I believe all losses can be adjusted as promptly as this one was and with equal satisfaction to the association and the insured. All we need is the full co-operation of all the florists of America.

I will gladly give full details to anybody who will write in relation to the same.
W. J. VESEV, Secretary.

Ft. Wayne, Ind.

#### The American Carnation Society.

It is none to soon to begin to shape the course to be pursued when this society meets in Philadelphia for the second time in its history, which will be in February, 1899. It is absolutely necessary that this society should hold an exhibition both of the "future greats" and also of the standard varieties for the purpose of comparison, if for no other, to aid us in determining wherein the advances are made, if any, in the new candidates for public favor.

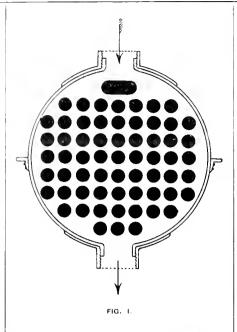
A much larger number of enthusiasts are now dabbling in the raising of seedlings than there were at the society's initial meeting held in this city in October, 1891, and the number is likely to increase rather than diminish, and the A. C. S. and its friends must do all that is possible to aid and encourage the improvement of the flower, which is the cause of its existence. I can only wish that some fertile brain would conceive a plan that would be sufficiently practical to put money into its coffer, yet not crip-ple or in any way interfere with its effectiveness.

When the society had agreed to meet in New York to complete its organization, the executive committee decided to secure the services of an expert stenographer so that as complete a report as possible of the meeting would be given to the members who were unavoidably absent, to be published in the proceedings. A mistake, however, was made in the selection of the performer, for the merest tyro present could have made as complete a report from memory a month after the meeting had adjourned as was done in this case. This, of course, was naturally disheartening, and the idea of making a similar attempt again was abandoned for the

time, especially as the trade papers published everything good, bad and indifferent that was done at the meetings in the two or three succeeding weeks following. This supped the life-blood out of the This sapped the life-blood out of the society, and the membership gradually fell off, until now, although everybody will admit that it is doing a grand, good work, it is dependent largely upon charity for its existence. The best work is not generally accomplished by an individual or by an organization that is an object of charity. The man who is self-sustain-ing, and is so by honest labor and per-sistent effort, no matter in what calling. and does not owe a dollar in the world, is generally a better citizen than is he who is a tramp or an inmate of an almshouse. My own opinion is that the province of a trade paper is to review the proceedings of the meetings devoted to any or all of the branches of horticulture to which it may be devoted; not from a literary standpoint, but unmistakably from a practical point of view, and not to confiscate the whole proceedings.

Personally I am gradually dropping out of carnations, as a grower of this favorite flower, not because I love the carnation less, but because I am more successful with roses and some other plants. I still, however, retain my interest in the organization of the Å. C. S. The published proceedings of the last meeting were received last week, and the improvement in the report is quite noticeable, at least over that meeting which was held in New York in November, 1891. Of course, most of that which is contained therein has appeared in print before, but one great point which, so far as I have been able to observe, has escaped the alert minds of those who seem to have no other object in view than to claim everything readable in sight. refer to a point brought out during the discussion upon "Sub-watering." Most old-time gardeners and florists look upon this sub-watering idea with more or less antipathy. In the first place, it seems contrary to preconceived ideas as to drainage, though Professor Arthur explained the whys and wherefores of drainage evaporation and see first. drainage, evaporation, and so forthquite satisfactorily; and again the next thought is, how about doing away with syringing to "keep down" redspider. That thought is as sure to occur to a practical gardener and florist upon first hearing or reading about sub-watering as to protect by shade a batch of cuttings from sunshine when first put into the propagating bed.

In nearly all cultural notes, both ancient and modern, the point is always more or less dwelt upon to keep the plants well syringed or to "damp down" being always and invariably to keep down red spider. There is a tacit underdown red spider standing among the fraternity that this msidious little pest is always present. Some writers go so far as to recommend a moisture laden atmosphere for the same purpose, namely, to keep it down. It may be true that the red spider does not increase so fast in air charged with limidity, but that it will keep it down, I have my doubts. Some years ago when visiting a small private place, in what is called the "stove" or nothouse, was a eistern which caught the rainwater from the roof, and this was used with which to water the plants. It projected a little into the walk from beneath the bench so as to make it more convenient from which to dip the water. Among other plants trained under the roof of this hothouse, was a plant of the beautiful climber, Cissus discolor, vines of which were liang-



ing directly over and nearly touching the water in the cistern, upon the leaves of which was as prolific a crop of red spider as I have ever seen. From that time I have doubted the efficacy of a moisture laden atmosphere to keep down red spider.

laden atmosphere to keep down red spider. The only hope is, and has been for some time, to keep down or destroy red spider is to direct a stream of water with pressure to where this troublesome inseet finds a lodgment, and that is generally on the under side of the leaves. Professor Arthur stated during the discussion above referred to that he did not believe that the question of red spider depended upon syringing at all. He knew that all florists dreaded red spider, but it ought not to be there to start with. Every practical operator among plants grown under glass will agree with the professor, and there are none among us but who fully realize the truth of that statement. But how many of us have gone systematically to work with the object in view of planting our rose houses with plants that are absolutely free from red spider? And yet I believe it would pay us to do it. If the plants were quite clean, and the house in which they were planted contained no red spider, how different would the future operations in that house be conducted to what they

generally are, especially if we fully realized all the benefits attached thereto. The dreaded dark, dull days of winter and the equally dreaded "black spot" would be shorn of nearly all their terrors. We would cut no more roses, possibly, on that account, but much of the anxiety we now experience would be removed, for the reasons above indicated.

Had this point been selected by the trade papers, and had they discoursed upon it intelligently and given instructions how to proceed to destroy and totally annihilate the red spider, it would have been a greater benefit to the trade at large than publishing the proceedings of the A. C. S. in full, and it would have had the effect of more members becoming enrolled in the American Carnation Society. Although I do not consider myself a carnation man at the present time, yet I do consider myself reimbursed for my membership fee by Professor Arthur's remark to the effect that the red spider ought not to be there to start with.

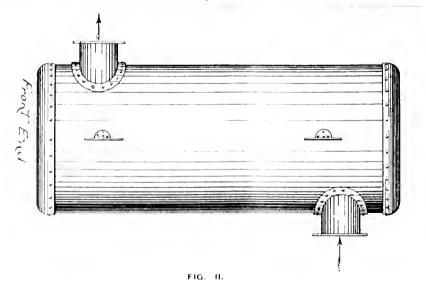
E. L.

#### Steam and Hot Water Heating.

PART V.-HOT WATER UNDER PRESSURE.

This is the most up-to-date system of greenhouse heating. Enterprising florists who have large plants are learning that the old style, low pressure hot water apparatus, although it held its own well for many years, is far behind the times in many respects, and is being replaced by hot water systems under pressure. One of the special advantages in the pressure system is that a much greater range of temperature of water in the system can be had, and on this account, in cases of emergency, when a sudden fall in temperature must be guarded against, there will be no trouble to get the necessary heat. Another advantage possessed by the hot water system under pressure is, that any size of pipe can be used for mains and heating coils. For this system of heating wrought iron pipes are used with screw thread joints, and these are much less liable to leakage than cast iron calked joints. Then again, space is worth money in greenhouses, and heating coils of one-half the usual size that will do the the same amount of heating, or more, are surely a great advantage.

With the open tank hot water system, it is not practical to carry the water higher than to a temperature of 200°, that is without pressure; but with the outlet from the expansion tank provided with a safety valve, the system may be



run under any desired pressure, and in this way any desired temperature, even above 200°, can be had as readily as a temperature below 200°. To carry a hot water pressure of about fifty pounds per square inch in the heating apparatus we would have a temperature of the water in the system of 300°. It will, therefore, be seen that this is about double the temperature carried by the old style, cast iron, open tank system, which runs about 150° on the average. However, it must be remembered that any style of boiler will not answer for a closed tank system, and consequently, in selecting a boiler for such work, this point should not be lost sight of.

For high pressure hot water heating, ror nigh pressure not water heating, it will be necessary to have high pressure boilers, such as are tested to stand a hydraulic pressure of at least 200 pounds to the square inch, in order to be absolutely safe under any ordinary conditions. There are many types of hot water boilers in the market suitable for this class of work, which are not only built to resist any pressure that they may be called upon to withstand but which are constructed to heat water rapidly and economically. One type of high pressure hot water boiler used largely in this country is the wrought iron tubular style, an end view of which is shown in the accompanying illustration, Fig. 1, and the special point of difference between this and the ordinary wrought iron, tubular steam boiler lies in the additional number of tubes in the former. This is done for the purpose of getting as much heating surface in the boiler as possible, and at the same time leaving ample space between the tubes for the proper and easy circulation of the water.

Another special point to which I desire to call attention in this type of boiler is the tube connections. As will be no-ticed by referring to Fig. 2, the return connection is near the rear end at the bottom, while the flow or outlet connection from the boiler is on the top, near the front end of the boiler. This is a very good and important point in a hot water boiler, but not so much so in steam boilers. With the pipe connections arranged as shown in Fig. 2, the water must move through the greatest distance of the boiler, rising from bottom to top and passing from one end to the other, also entering at the coldest point and leaving the boiler from the hottest, directly over the fire in front. This disposition of the connections produces the most rapid circulation of the water through the system, which always means economy in fuel. To produce the best circulation we must have the greatest possible difference in temperature between the return water entering the bottom of the boiler and the flow water leaving it at the top. These are some of the important things to know for those interested in hot water heating; it makes a vast difference how each part of a boiler is constructed.

JAS. J. LAWLER.

#### Obituary.

James D. Burnett, a well known rose grower of Madison, N. J., died on Saturday, May 7, of consumption. Mr. Burnett's age was 50 years. He was a native of Madison, and graduated from the business of carpenter into that of flower grower nine years ago, commencing with one small house and enlarging year after year until he became the owner of quite a large establishment. During the whole time, with the excep-

tion of a few months at first, he consigned his flowers without interruption to Burns & Raynor and their successor, John I. Raynor, a record that is unique among growers for the New York market. He was a royal good fellow and a good all around business man highly respected in his native town. He was married twice, but both wives are dead, and he leaves two sons and two daughters. Royal Arcanum, of which he was a member, took charge of the funeral services, which were held on Monday, and many prominent people of Madison attended.

EDEN, ME .- The Mount Desert Nurseries have been incorporated with a capital stock of \$50,000. George B. Dorr, of Bar Harbor, is president.

Winfield, Kas.—E. H. Gilbert reports an excellent spring business for his section of the country despite the fact that the season is very backward.

WICHITA, KAS.—There is an increased demand for cut flowers, and bedding plants are going fast, yet C. P. Mueller reports last week to have been the rainiest in eight years.

DELL RAPIDS., S.D.—The Osage Nurseries have started an experiment station on the farm of J. A. Kelley, and have started a number of young plants under very favorable conditions.

MUNCIE, IND.—For the recent banquet of the Travelers' Protective Association the Muncie Floral Co. supplied the decorations. There were more than forty vases of cut flowers on the tables.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a lice (seven words) each insertion. Cash must accompacy order. Plact advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 18% is entitled to a five-line want adv. free to be used at any time during the year.

SITUATION WANTED—Teo years experience in roses and general greenhouse work. Address J J., Box 163, Newtowo, Pa.

SITUATION WANTED—By Al grower of roses, carnations and other pot plants; 26 years' experience.

Best references. F.S., care American Florist.

OITUATION WANTED—By competent gardener and brisk, for public or private place, large or small; partles wantleg to secure the services or a valuable man, address W. G., care Americao Florist.

NITUATION WANTED-By a practical gardener and flurist for private place: 20 years' experience. Best references: married, one child. Not afraid to work. Address Box 231, Lake Forest, Ill.

OlTUATION WANTED—By a young mac of 23 in a flurist's place dolog a retail business. Thoroughly posted or roses, carnations, mums and decorative stock. Fair wages expected. Central states preferred. P A X. care American Florist.

SITUATION WANTED—By a married man, oo fambuliy, Engdah, age 28 years; 13 years experience, thorough in all bran hea Would like to run small commercial place. Wages 8.0 per month.

GARDENER. Floral Park, L. I., N. Y.

SITUATION WANTED -By experienced the st. mar-ried (oo children), middle sge; either private or commercial place; understand raising general stock, greenhouse building and steam fitting. Address FLORIST, 5739 Easton Ave., St. Louis, Mo.

SITUATION WANTED—As foreman in large cut flower establishment by a first-class grower of roses, carnations, etc.; has been foreman in large places for past 10 years; 23 years experience. Best references. BEAUTIES, care American Florist.

CITUATION WANTED—By July 25th as grower of cut flowers and general line of plants, lo a progressive commercial place; 15 years experience. Only those decoing good services and able to pay good wages need apply. C.C. care American Floriet.

OlTUATION WANTED—On or after June 15 by competent married man; 12 years' experience as grower of on flowers and plants; first-class designer and decorator; fully able to take charse. Best references. F. QUICKERT, 835 Third St., Marquette, Mico.

SITUATION WANTED—As beed gardener and flo-list in private place or public institution; thorough in fruits thowers and vegetables, landscape and orna-mental work; English, middle age. Could come alooe or with daughter (25). State wages etc. G.S. care American Florist.

WANTED-First-class grower to take charge of a section of rosehouses. Address Wietor Bros. 51 Wabash Ave., Chicago.

WANTED-First-class florists' wire design worker. Stendy work the year round. Apply with refs. HOLTON & HUNKEL CO., BOX 105, Milwaukee, Wis.

WANTED TO RENT-Or lease with privileze of purchase, established florist business. Housea must be in good repair and running order. Give flut particulars RAW, care American Florist.

WANTED-A man who has had experience in growing oursery stock and summer propagation of roses and shrubs making cuttings and attending to them, watering plants and taking charge of greenhouse under a superintendent, lo fact, a thorough nurseryman Noborist need answer

THE BLIZABETH NURSERY Co.,

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FOR RENT—For greenhouse purposes, 32,700 square feet on Michigan Ave. Long lease and low rental. Room 192, 184 La Salle St., Chicago

FOR SALE—Florist's single covered wagoo; height about 5 feet, width about 4 feet, length about 7½ feet; built to order, costing \$250. Used but 2 years. Will be sold cheap for cash.

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Greenbouses in one of the hest cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health. For particulars write.

A. LEURNER, Wausau, Wis.

FOR SALE—The greenbouse e-tablishment of Schiller & Kuske formerly Schiller & Mallander, la offered for s-le at a great sacrifice; \$1000 will buy 2 19-20 acres of valuable ground, 25 greenbouses, comprising 56 000 equare feet of glass; wells, 2 dice dwelling bouses, sheds, etc. located in the village of Niles Center, about 12 miles from the heart of Chicago; 14c miles to depot. Terms, \$5500 cash, balance on time; investigate. Address correspondence to Pochimann Br. s. Morton Grove Cook (Co., Ill., or Herman Schiller, S20 W. Madison St., Chicago.

#### SITUATION WANTED

by dorlat and gardener; private or commercial place: near Hoston preferred. Ten years 'thorough experience in growing rosses, carnations violets and general dorlats' stock. Four years steady at present place as foremen; g od maker-up and seller. German, slogle, 25 years old; 7 years in america. Honest, sober and steady. Best of references. Good wages expected. Ready May 2d. Address. Il S. care Am. Florist.

\$40.00 will buy a hot water boiler; will used 3 months; good as new; also 50,000 single rooted VIOLETS, \$2.00 per 1000. Cash with order.

J. K. POSTMA, Princeton, Ky.

# WANTED

Photographs of gardens and plans; also of specimen plants, hardy and otherwise. Send price and particulars to

F. BRUNTON & CO., 136 Boylston Street, - BOSTON, MASS.

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OF ST. LOUIS

Offer for sale their greenhouses, 20 io number, with complete beating plact, covering about 3 acres of ground, with all stock and good will of the business; will lease ground on fair rental value long as wacted. Established trade for over 35 years; this is an opportunity of a life time to buy a good established business. Also have a large retail store opposite the poet office. Apply to

Leon L. Hull Real Estate Co. 804 Chestnut St., - ST. LOUIS. MO.

# FOR SALE OR RENT

VERY CHEAP.

I offer for sale or reat my undivided halt interest of the real estate of the greenhouse property formerly known as Schiller & Mallander situated in the village of Niles Cecter, about 12 miles from busices center of Chicago and 1½ miles from Morton Grove R. R. Depot. The property consists of 23 kreenhouses, 2 dwelling bouses, barns, wells and necessary sheds on 219-20 acres of lacd. Investigate. Price for undivided half, \$4.500; terms \$1.000 cash, balance payable in seven yearly installments, secured by mortgage notes hearlog i per cent, interest. Or will rent or lease to some reaponsible party for a term of years at an annual rental of \$4.50 00, kiving option to lessee to buy my interest for above state price, provided that said lessee will make repairs the dirst year to the extent of \$1000. Will acquire deed to property May 18. Address

#### MRS. B. KUSKE,

Care Poehlmann Bros., Morton Grove, Cook Co., III.

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WHOLESALE

Hunt's Flowers Go Everywhere

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Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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(Successor to WINTER & GLOVER,)

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PACKED RIGHT,

•o they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our litustrated Catalogue.



# Wholesale Flower Markets

|          | CHICAGO, May 13.                |              |
|----------|---------------------------------|--------------|
| Roses    | , Beautlesper doz, .75@2.00     |              |
| 11       | Brides                          | 1.00@ 4.00   |
| 11       | Meteors, Bridesmalds, Kalserin. | 1.00@ 4.00   |
| **       | Gontlers, Perles                | 1.00@ 3.0    |
| 'a rn o  | tions, common                   | 50@ 1.50     |
| Jan 1110 | fancy                           | 2 000 3 0    |
| Ptolo    | is                              | 40@ 7        |
| Town     | saus Poeticus                   | 51           |
| Narci    | sil, Callas                     | 2.00/2-5.0   |
| Harri    | alla - lla                      | 1.00@ 3 0    |
| PITA O   | f the valley                    | 1,000 0.00   |
| i amp    | 8                               | 1.000 4.0    |
| weer     | peas                            | .00@ 1.0     |
| iladi    | oit                             | 6.000 8.0    |
| Adlar    | tum                             | .50@ 1.0     |
| Smila    | X                               | 10.00 @ 15.0 |
| Aspai    | agus                            | 40.00@75.0   |
| Pansl    | es                              | .5           |
| Paron    | les ner dozen, 50c.             |              |

# Bassett & Washburn's **ROSE PLANTS**

We have an extra selected stock of the following Rose Plants. Will guarantee them to be as fine as any grown.

|                         |             | Per 1000 |
|-------------------------|-------------|----------|
| American Beauty21/6-in. | pot, \$5.00 | \$50.00  |
| Brides "                | 3.40        | 25.00    |
| Bridesmaids"            | 3.00        | 25 00    |
| Kaiserin "              | 3,50        | 30.00    |
| President Carnot "      | 3 50        | 30.00    |

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88 Wabash Avenue, CHICACO, ILL. Long Distance 'Phone Main 223.

Creenhouse and Residence, Hinsdale, III. Long Distance 'Phone No. 10.



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600,000 feet of Glass. We can lill all orders on short notice with all leading varieties of Roses and Carnations. We are Headquarters for tine American Beautles. Give us a trial and convince yourself. It is to be

# ROOTED ROSE CUTTINGS



| Per          | 100   | Per 1000 |
|--------------|-------|----------|
| AM. BEAUTIES | 12,50 | \$20,00  |
| BRIDESMAID   | 1.50  | 12.50    |
| LA FRANCE    | 1.50  | 12.50    |

#### ROSE PLANTS

|                 | out of 214-Inch p | pots. per 100 per 1000 |
|-----------------|-------------------|------------------------|
| American Bons   | uty               |                        |
| deteor          |                   | 3.00 25.00             |
| 3rtde           |                   | 2.50 20.00             |
| 3rtdesmald      |                   | 2.50 20.00             |
|                 |                   |                        |
| Belle Slebrecht | t                 | 2.50 22.50             |

#### ROOTED CARNATION CUTTINGS

|                |  |      |    |   |  |    |  |  |  |    |  |  |      | ,,,, | וט  |    | м   | ,,  |   | Dei Kan |
|----------------|--|------|----|---|--|----|--|--|--|----|--|--|------|------|-----|----|-----|-----|---|---------|
| Jublice        |  | <br> |    | ٠ |  |    |  |  |  | ٠. |  |  | <br> |      | . 8 | 12 | . 1 | LK) | ) | *15,00  |
|                |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 7.50    |
| Tidal Wave     |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 7,50    |
| Portia         |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 7.50    |
| Lizzie McGowan |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 7.50    |
| Goidfinch      |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 7.50    |
| Mrs. Thompson  |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 7,60    |
| Emma Woelier.  |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 12.50   |
| Lizzie Gilbert |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 12.50   |
| Harrison's Wid |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 12.50   |
| Bridesmaid     |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 12.50   |
| Flora Hill .   |  |      |    |   |  |    |  |  |  |    |  |  |      |      |     |    |     |     |   | 25,00   |
| Mayor Plogree  |  | ٠.   | ٠. |   |  | ٠. |  |  |  |    |  |  | <br> | ٠    |     | н  | ١.  | I)K | 1 | 25,00   |

We would call your special attention to our choice Smilax plants at \$2.00 per 100 and \$15.00 per 1000.

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| New York, May 11.                                                 |
|-------------------------------------------------------------------|
| Smllax                                                            |
| Aaparagus 40.00@ 50.00                                            |
| BOSTON. May 11                                                    |
| BOSTON, May II                                                    |
| Roses, Reautles, Brunners 5 00@15.00<br>Morgan, Meteor 1 00@ 4 00 |
| " Rrides, Bridesmaids, Carnot 2 00@ 6.00                          |
| Carnations 1 50:30 2 00                                           |
| " fancy 2.00@ 3.00                                                |
| Lilv of the valley 2.00@ 3.00                                     |
| Daffodils, Tulips (outside) 50@ 1.00                              |
| Violets 50@ .75                                                   |
| Harrish, Callas                                                   |
|                                                                   |
| Smllax                                                            |
| PHILADELPHIA, May 11.                                             |
| Roses Beautles per dozen 1.00@ 4.00                               |
| " Brnners                                                         |
| Jacqs                                                             |
| " Теня 3 00 а 10.00                                               |
| Carnations 1 00@ 2.00                                             |
| Lily of the vallsy 3 00@ 4.00                                     |
| Longiflorums                                                      |
| 11arristl 8.00@10 00                                              |
| Sweet peas                                                        |
| Smtlax 12.00@15.00                                                |

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# John I. Raynor,

49 WEST 28th STREET,

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Record Breaking Carnations
ALL THE YEAR ROUND.

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Roses shipped to all points. Price list on application.

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Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

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WHOLESALE COMMISSION,

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Cul Flower Exchange.

NEW YORK.

#### Rochester, N. Y.

The past week had no feature except a decided scarcity of white flowers; in the dull and cloudy weather they were slow to open and the demand for funeral pieces was above the ordinary, so that everyone was short of white blooms. No extraordinary events called for the extensive use of flowers, therefore the shortage in other lines was not so greatly noticed. As bright and warm weather is again with us, the supply is increasing materially, and probabilities are that the end of the week may even see a surplus in several lines, for in addition to our regular winter flowers quite a number of hardy outdoor plants, such as arabis, candy-tuft, pæonia tennifolia, Doronicum excelsum, etc., are coming on, and will probably sell well for a time because they are a change from the everyday line. How. ever, nobody is prepared to furnish these things in very large quantities, and there is no danger of overloading the market.

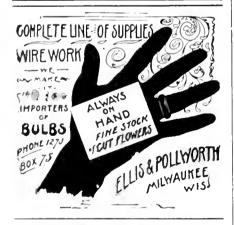
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Strings 8 to 10 feet long,

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WE OFFER ALL VARIETIES

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stock of all miscellaneous stock such as Narcissus, Lilies, Valley, Tulips, Lilac, Paronies, Sweet Peas, Pansies, Smilay, Asparagus, Ferns, etc., etc. Write for special prices on large orders.

GET ORDERS IN EARLY FOR DECORATION DAY. 

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We have decided to dispose of our own production and will be in a position to fill orders with A No. I stock. . . . . Give us a trial. Also have a large quantity of nice rose plants which we offer as

|                   | - Per 1000 |                | FOT ROOM |
|-------------------|------------|----------------|----------|
| American Beauties | \$40.00    | Meteor ↓\$3.00 |          |
| Brides            | 25,00      | Kaiserin 3,00  | 25.10    |
| Bridesmaids       | 25.00      | Perle 3.00     | 25,00    |

This stock is guaranteed to be first-class in every respect. Nothing but first-class sent out. . . . . . Terms, eash with order. ing but first-class sent out. . . . . .

# J. A. BUDLONG, 37=39 Randolph St., Chicago. When writing mention American Florist.

# Wholesale Flower Markets

| CINCINNATI, May 12.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Roses, Beauties, reject                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| medium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| " Brides Bridesmalds 3 00@ 4.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| " Meteors 4,00@ 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| " Perle 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Carnations 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| fancy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Sml(ax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Adlantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| St. Louis, May 12.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Roses, Reautles 2 00@33 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| " Meteors 1.00 a 4 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " Brides, Bridesmalds 1.00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| " Perlen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| " Kalserin 1.00@ 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " Kalserin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Violeta, California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| " double                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Harriell 11 0000 10 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Callas 5.00% 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Smllax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| MILWAUKEE, May 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| " Brides, Bridesmulds 2 000 5 00<br>" Perle 2 000 4 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| " Brides, Bridesmalds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| " Brides, Bridesmalds 2 UNG 5 UI<br>" Perle. 2 UNG 4 UI<br>" Meteors 2 DNG 5 UI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| " Briden, Bridenmalds 2 0866 5 00 " Perlo. 2 0866 4 00 " Meteorn 2 0866 5 00 Carnations 1,0066 2 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmulds   2 0Km 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| " Brides, Bridesmilds 2 0Km 5 00 " Perle. 2 0Km 4 00 " Meteorrs 2 0Km 5 5 00 Carnations 1,90% 2 00 Sweet pens ,50% 1 00 Yalley, Indoor 3,00% Tollips 1,00% 2 00 Gindfold 5 0km 8 00 Smillax 15,00% Adminism 7 70% 1 00 Left, Hispanica 4 10% 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Brides, Bridesmilds   2 0Km 6 00     Perle.   2 0Km 6 00     Perle.   2 0Km 6 5 00     Meteora   2 0Km 5 5 00     Sweet pens   1,80% 2 00     Sulfaction   1,00% 2 00     Sulfaction   1,00% 2 00     Sulfaction   1,00% 2 00     Brides   1,00% 2 00     Brides   Bridesmalds   10,00% 40 00     Brides   Bridesmalds   10,00% 40 00     Brides   Bridesmalds   10,00% 40 00     Sulfaction   1,00% 40 00     Brides   Bridesmalds   10,00% 40 00     Sulfaction   1,00% 40 00     Sulfaction   1,00% 40 00     Kalserin   1,00% 40 00     Carnations   1, |
| Brides, Bridesmilds   2 0Km 6 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Brides, Bridesmilds   2 0Km 6 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Brides, Bridesmilds   2 0Km 6 0 UP erle.   2 0Km 6 0 UP erle.   2 0Km 6 5 UV erle.   2 0Km 6 1 UV erle.   2 0Km 6 UV erle.   2 |
| Brides, Bridesmilds   2 0Km 6 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Brides, Bridesmilds   2 0Km 6 0 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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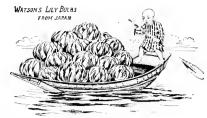
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We have received the preliminary announcement of the Minneapolis meeting, to be held June 22, 23 and 24. Head-quarters of the association will be at the West Hotel, at which the rates are \$3 per day and upward. Minneapolis is readily accessible from all points by rail. Eastern visitors can take advantage of the fine boat ride through the great lakes from Buffalo to Duluth via the Great Northern Steamship Line. Such special hotel and railroad rates as are secured will be aunounced later. Mornings of the 22d (Wednesday), the 23d, and the entire day of the 24th will be given up to business,

papers and discussion.

The retiring president will address the meeting and the following papers have been promised: W. W. Folwell, "Play-grounds and Plazas"; Juo. H. Patterson, "Landscape Gardening," illustrated by the stereopticon: Fred Kanst, "Plant Pro-"Tree Planting on Public Streets"; O. C. Simonds, "Appreciation of Natural Beauty"; Orlando B. Douglas, "The Relation of Public Parks to Public Utalia." lation of Public Parks to Public Health"; Chas. N. Lowrie, "Small City Parks and Open Air Breathing Spaces"; J. A. Petti-grew, "Park Woodlands and Planta-tions"; A. C. Clas, "The Architect and the Landscape Architect"; C. Wahl, "The Duties of Park Commissioners."

It is expected that Mrs. Robert Pratt will present the work of children in improving the surroundings of their home and school grounds, and that she will have the assistance of ladies and gentlemen of other sections of the country who have taken an active interest in this work. A more complete list of authors, papers and titles will be sent to members

before the date of the meeting.

At some time during the afternoons or evenings of the 22d and 23d a banquet is to be given by the citizens; an opportunity is to be given for an examination of the park system, and the invitation of Mr. F. H. Peavey to visit his estate upon the shores of Lake Minnetonka and to take a boat ride upon the lake will be accepted. At the close of the meeting arrai gements are to be made for an excursion to the Interstate Park at the Dalles of the St. Crory - Warren H. Man-ning, of Boston Masse, is secretary and Breasurer

#### Franklin, Pa.

A joke is going the rounds in newspaper done to the effect that the market garden ers along the Atlantic coast are not planting peas this spring for fear that the Spanish warships will come along and shel them. I may add, in parenthesis, that so such fears are being entertained by the florists, for glass is going up, and not me a price than in the air, at a

rate that bespeaks an utter disregard for the Spanish or any other troubles. That spirit of commercialism with which Europe sometimes charges us expresses itself in the hustle noticeable on all sides among the florists, which surely means the advent of a brighter era.

It is most gratifying to note that so staunch a conservative as W. T. Bell takes a rosy view of the future. His activity this spring would convince the most pessimistic that the time of making hav has come. Besides extensive alterations about his plant, Mr. Bell has two new houses, each 16x120, in course of erection. They are intended for roses and run east and west with the short span to the south. Brick walls and woodwork covered with slate are some of the exconsive features about the place, it being Mr. Bell's rule that "whatever is worth doing at all is worth doing well."

Another feature worthy of mention is the change from the hot water heating system to that of steam. Where lour boilers formerly did duty one will soon be placed in position with sufficient capacity to distribute heat throughout the entire plant. Taken all in all Mr. Bell's establishment promises to be of the model type.

A seedling having some of the Day-break "blood," a beautiful salmon pink on a long, stiffstem, fringed and fragrant, attracted my attention while strolling through the houses. It is a fine carnation and, in my opinion, is destined to make its mark.

Business is all that can be expected at this season of the year.

MARINETTE, Wis .- George Vatter is building a range of modern greenhouses on State street to which he will shortly remove.

#### OUR SPECIALTIES

# AZALEAS, ROSES, RHODODENDRONS

New and rero hardy plants for forcing. Noveltles in Ferns (rulsed by the largest London grower). The newest and best varieties of roses; Il P. and Tea scented, from a French relser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New Englard States.

## F. Brunton & Co.

IMPORTERS AND EXPORTERS OF NEW AND RAKE PLANTS,

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Hendquarters for Japan Lilles Cycas Revoluta, Morning Glory, all k ods of Japanese plants, seeds etc., etc. Large assortment aldways in stock Orders broundly evecuted.
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# Florists' Stock for Bedding

Alternauthera, Coleus, Geraniums, Pausles, Dalsies, Verbenas, Puchsias, Salvia, etc., etc. Write for prices, Plorists when in Milwaukee ore in-vited to look over our stock.

ARCHIE MIDDLEMASS, 1019 Forest Home Ave., MILWAUKEE, WIS.

#### EVERGREENS, Etc.

20,000 American Arbor Vitas, 2 to 8 feet specimens and hedging plants.

5,000 Pyramidal Arbor Vitas, 2 to 4 feet.

20,000 Compacts, Globe and other dwarf Arbor Vitas, all sizes.

3,000 Nordman's Silver Fir, 1 to 2½ feet.

2,000 European Silver Fir, 2 to 4 feet,

5,000 Hembock Spruce, 1 to 4 feet,

10,000 Norway Spruce, 3 to 8 feet,

10,000 Prims, and silver Fir, 2 to 4 feet,

5,000 Inish Junipers, Squarrosa, Plumosa, Plumosa, aurea and other sorts, 1 to 5 feet,

5,000 Fines, Austrian, Scotch, Excelsa, White and dwarf varieties, all sizes,

1,000 English Holly, 1 to 4 feet,

1,000 English Holly, 1 to 4 feet,

3,000 Mahomas aquifolia and Japonica,

3,000 English by, strong plants,

Prices low, Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa,

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#### JAPANESE PLANTS. BULBS, ETC.

At lowest prices. Small orders tilled from experimental garden Columbia Road. Dorchester, Mass. Wholesale catalogue, 1838, free to the trade.

JAPANESE NURSERY,

Office: 272 Boylston St.,

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# Hemlock Spruce...

18-24 and 24-36 inch.

Azalea Indica for fall use. 15e to \$10 each. Write for prices on other items

HIRAM T. JONES,

Union County Nurseries,

EEIZABETH, N. J.

# Peacock's 36 First Prizes out of 39 entries in 1896 and 1897.

# **Prize Winning Dahlias**

Send for 1898 illustrated wholesale cata-ogue before placing orders elsewhere.

W. P. PEACOCK, - Atco, N. J.

HARDY

# **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING

The Reading Nursery, READING, MASS. ESTABLISHED 1854,

CLEMATIS Jackmanni, Henryil doz. 100 and others .......\$3.00 \$20.00

F. A. BALLER, Bloomington, III,

Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

#### SAMUEL C. MOON,

Bucks Co., PA.

It will be better for everybody if you mention the American Florist when writing advertisers on this page.

#### St. Paul.

TRADE PROSPECTS ARE BRIGHT IN THE TWIN CITIES .- SUPPLY DOES NOT EQUAL THE DEMAND.—VISITORS.

Sales since Easter have been good. Weddings, funerals and social functions have all contributed to the florists' trade, and with the season at hand for planting out stock, with Memorial Davin the near future and commencement season immediately after, their hands will be kept busy.

In the cut flower line stock is fairly abundant, though there is not enough grown here to supply the demand. White roses and carnations are the scarce articles, while smilax, which has been in short supply, is becoming more plentiful.

Retail prices are maintained, the best Tea roses selling at \$1.50, carnations at 50 cents and lilies of the valley, narcissus and other bulbous stock at the same fig-

ure per dozen.

The plant trade is just beginning and promises to be extra good. The war seems to have raised the patriotic feeling and we anticipate a big trade for Memorial Day. Wherever a brave delender of his country lies under the sod, loving hands will decorate, unless he lies in an unknown grave.

One of the large grocery stores has been selling flowers at unheard of prices. They are supplied by a local grower. This sale, however, has hardly caused a ripple of

excitement in florist circles.

I have not learned of any one who contemplates building this summer. While some small additions may be made, the present high price of glass will probably cause the postponement of any extensive building.

While the trade here needs more good growers, and growers of specialties, if the houses now erected were to produce their full capacity we would not be so depend-ent on Chicago and Milwaukee for supplies. It seems hard to get the growers started right, as each one will persist in growing "a little of everything and not much of anything."

J. Austin Shaw, smiling, smooth and serene, dropped in on us a few days ago. His samples were O. K. and his words fell like manna on the Israelites. May his shadow never grow less. At the same time Mr. Il. J. Goemans, of Ghent, Belgium, Haarleni, Holland, and New York City, called and discoursed learnedly about azaleas, bulbs, and the like. Next came C. C. Pollworth, of the Cream City, followed by C. S. Ford, Jr., of New York, and D. L. Sloan, a California seedsman.

Wm. Scott, formerly propagator for May & Co., has gone to the Klondike. Christ Hansen has discontinued his city

store. Felix.

#### New Haven, Conn.

The event of the week in local floral circles was the funeral of W. T. Townsend, Yale 1901, son of Judge W. K. Townsend, of the United States District Court, which took place Thursday afternoon. Mr. Townsend was killed on Monday by a fall from his bicycle. The easket was made of willow, lined throughout with Daybreak carnations. The sides out with Daybreak carnations. The sides were completely covered with Brides maid roses. Over the top was a frame cover of Bridesmaids presented by his classmates. All the roses were either pink or red. The decorations at the home of the young man were most elaborate, consisting of palms, ferns, festoons of asparagus with Daybreak carnations. Bridesmaid and Mateor roses. carnations, Bridesmaid and Meteor roses and many large bouquets of American Beauty and white lilac. Nearly all the florists of New Haven were heavily taxed for roses, etc., and many were obtained from New York. All the offerings were in clusters or large vases, designs being conspicuous by their absence. The grave was lined with hemlock boughs, and the mound was covered with roses.

W. F. Jost, the well known violet

grower of East Haven, is recovering from a severe attack of peritonitis.

NEWPORT, KY .- Graf Bros. state that prices have taken a 10'; advance, and that both supply and demand are good. although business is not as brisk as it was last spring.

MEMORIAL DAY will be here in two weeks, and there will be a boom to supplies appropriate for the demands of the day.

Cycas Wreaths, Metal Designs in endless variety, Moss Wreaths, Doves, Inscriptions, Flower Holders for Cemeteries, Immortelles, Cape Flowers, Bas= kets and Sheaves.

H. Bayersdorfer & Co.,

50-52-54-56 N. Fourth St., PHILADELPHIA, PA.



AND STEFFENS BROS.



Stiff, wiry stems. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

HARLAN P. KELSEY, 1150 Tremont Bldg., - BOSTON, MASS.

Galax Leaves, Cut Palm Leaves, bouquet green, Moss (sphaguum and green), Laurel Roping, Xmas Trees; everything in the green line always in stock at

H. E. HARTFORD'S, 18 Chapman Place.

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Catalogue for Florists. Send for One.

**ELLIS & POLLWORTH** MILWAUKEE, WIS.

Exclusive Importers and Manufacturers of....

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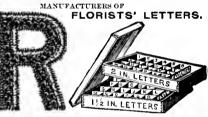
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This Size "Ad." Costs Only \$1.00.

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# Boston Florist Letter Co.



This wooden box nicely staloed and var-nished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 % or 2-inch size, per 100, \$2.00, Script Letters, \$4. Fastener with each letter or word. Used by leading thorista everywhere and for sale by all wholesale florists and supply dealers.

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FIRST QUALITY

NEW CROP arriving daily, \$150 per 1000. Disc unt to wholesale jobbers. Prince's Pine, 6c per ib Headquarters for Galax Leaves. Laurel festooning, 4 to 8c per yd; Laurel and Prince's Pine Wresths for Decoration Day, made to order. I the green Moss in hits, \$100; in sacks, 55c. Our goods are always the best to be obtained for the money. Prompt attention all orders. Sead in your orders now for Ferns for Decoration Day and you will be sure to have them

Crowl Fern Co.

27 Beacon Street, - BOSTON, MASS.

John Conley & Son,

Magnfacturers of

# TIN FOIL

2 AND 4 DOMINICK STREET,

\_New York.

BRILLIANT GREEN AND BRONZE

## GALAX LEAVES.

For Decorating and all Florists' Designs. CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.: E. B. CLARK, 1st Vice Pres.: S. F. WILLARD, Wethersfield, Conn., See y and Treas.

Mr. S. Y. Haines was married May 11 at Minneapolis to Miss Charlotte M. R. Boardman.

A. Unger, of the Louis Boehmer concern of Vokohama, sailed from Vancouver, B. C., by S. S. Empress of China, May 9.

SPARTA, ILL.-The new firm of Allen & Orr is departing from the usual method of retailing plants and seeds and is advertising its stock extensively in local papers. It pays.

N. SLUS and son, J. Sluis, of the well known firm of Sluis & Groot, Enkhuizen, Holland, are making a two months' trip in this country, visiting the different seed growers as far as the Pacific coast.

CHICAGO.—Changes have taken place in the "West Market." Peter Hollenon the "West Market." Peter Hollen-bach is now at 191 West Randolph street; W. W. Barnard & Co., at 167 the same street, and Geo. B. Tiarks handle Landreth's seeds at 179. Visitors: F. H. Henry, of Henry & Lee, New York; D. L. Sloan, Palo Alto, Cal.

Toleno, O.-The Henry Phillips Seed and Implement Company this week concluded its seed contract with the government. During the past two months they have sent out 780 tons, or nearly 17,-000,000 pieces of franked mail matter. The company received about \$90,000 upon this contract and and has employed seventy-five girls and twenty-five men in preparing the packages.

#### St. Louis.

TRADE IS IMPROVING AND RAIN HAS AT LAST CLASED TO FALL, — VIOLETS PROMISE ABUNDANCE NEXT WINTER. - A THOU-SAND DOLLAR PRIZE LIST,

Trade has shown quite an improvement over last week. The quantity of stock received has not been so great; it has been selling cleaner and at a higher price than for some time. Good roses have been quoted as high as 5 and 6 centseach and on Sunday carnations were not to be had in town. Ferns have also been scarce and prices have been raised in proportion. White flowers from outdoors are coming in quite plentifully, as are Cape jessemine buds from the south. However, they meet with a slow sale. Market tradecan be reported as fair, although people still seem to be holding oft on their planting. The weather at last seems inclined to give persons a change to plant out stock, as it has stopped raining. We are at present seven inches over the normal precipita tion, counting from January 1, 1898

Carnations and violets are nearly all planted out, and from the number of growers who are planting violets with the expectation of cutting from them the coming season, it will be a wonder if they can make them pay. It seems as if every gardener has heard of the profit there was in them the present season andlongs to duplicate the achievement during next winter With moderate success there should be plenty of violets in this market next season principally single ones, how-

The list of special prizes for the flower show still continues to grow, it having

passed the thousand dollar mark recently and is still growing.

Fred Foster, late of the Krebs Floral Co., and still later of the Elite Floral Co., has opened a wholesale store at 113 North 11th street. R. F. T. North 11th street.

#### Cincinnati.

ABUNDANT FLOWER CROPS IN THE OHIO CITY.-DEPARTMENT STORE METHODS.-MR. PARTRIDGE EMBARKS IN BUSINESS.

Business has been very quiet and stock of all kinds is abundant. Roses are so plentiful as to be selling at summer prices and the same may be said of carnations. It was so unseasonably cold and wet last week that the growers had to fire up again at a lively rate, and the four days' rain mixed with snow had a very bad effect on transient and market trade.

Our weekly markets have been in a deplorable condition this spring, but it has been a long time since prices were as low as they were last week. Fakirs are swarming all over town, selling plants at ridiculously low prices. One of the department stores, "The Fair," located one block east of the Sixth Street Market, opened a flower department recently. They had the following advertisement in one of our local papers last week: Geraniums, 5 cents; carnations, 15 cents per dozen; roses, 25 to 50 cents; tuberoses and gladiolus, 7 cents per dozen; seeds, 1 cent per paper. Attracted by this ad. I visited the shop and found the flower department connected with the grocery on the fifth floor. The flower salesman was busy selling Dianthus pendulus, drooping carnations, while a young lady at the adjoining counter was wrapping up Limburger cheese and imported Holland herring. Harry Edwards, of Newport, Ky., is manager of this department, although several Cincinnati boys were offered the position.

W. K. Partridge, formerly with J. M. McCullough's Sons, has purchased the greenhouses of Francis Pentland, at Lockland, U. A. M. Eiliot, of Pittsburg, has accepted the position made vacant by Mr. Partridge's departure and now has charge of the seed department of this well known firm, which finds trade to be fully equal to former years. Charles Mc-Cullough reports an increase of 25% in wholesale trade. H. Schwarz.

Traverse City, Mich.-H. Tobler has assumed charge of the greenhouses and grounds of the State Insane Hospital here. Mr. Tobler came from Chicago, where he was superintendent for Reinberg Bros.

# Kinsman Queen ...Nuskmelon

Should be tested by every seedsman this season—trial pkts. free.—To Market Cardners, \( \) th order \( \) th order \( \) the cash with order seed postpaid

this is the earliest, best in quality and the most productive Muskmelon ever introduced. IRY IC! SPECIAL CIRCLIARS FREE

FRANK BANNING, STEDSMAN AND ITORISI-

# SEEDS LAWN GRASS \$12,00 per 100 lbs.

Finest Quality Ever Offered (Retails of 30c. lb.) J. CHAS. McCULLOUGH, SEEDSMAN, RECILEANER AND JOBBER GRABS BEEDS North-half Second & Walnut Sts., Cincinnati, O.

hend for Hustrated Catalogues.



RAFFIA BEST QUALITY, LONG MADAGASCAR Notwithstanding the higher market on this item I am still offering at the old figure so long as present stock lasts.

In bale lots (about 225 lbs.) at 8c 100 lbs. or over at ... 9c 50 lbs. or over at ... 10c 25 lbs. or over at ... 12c lbs. or lbs. at 15c per lb., f. o. b. Phila.; net terms and subject unsold on receipt of order.

This exceptional opportunity lor buying a supply of fine quality at a low rate should not be neglected. All commissions, large or small, will receive the same careful attention. In bale lots (about 225 lbs.) at 8e

ceive the same careful attention.

Grafting Wax

Trowbridge's Celebrated Grafting
Wax, the genuine article, t lb. bars
at 19c; ½ lb. bars at 29c; ½ lb. bars
at 24c per pound. Rebates: 10 lb.
lots, 5 per cent; 25 lb. lots, 10 per
cent; 50 lb. lots, 15 per cent; 100 lb.
lots, 20 per cent. Address all orders
and correspondence to Juniper and
Walnut Streets. Philadelphia, Pa. Walnut Streets, Philadelphia, Pa.

G. C. Watson,

# THE ALBERT DICKINSON CO.

# **GRASS SEEDS**

Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE

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# 

Clifton Springs, N. Y.

#### BURPEE'S SEEDS PHILADELPHIA.

Wholesule Price List for Florists and Market Gardeners.

# CLUCAS & BODDINGTON CO.

Importers and Exporters of

# Seeds, Bulbs & Plants,

NEW YORK CITY. Sand for quotations on all Florists' Bulb Stock.

BEST OF ALL' TOMATO
"ENGLISH" MELONS
(FOR FORCING)

FLOWER SEEDS FOR FLORISTS
Cataloguus on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK, N. Y.

#### Bedding Plants.

This class of trade is just now very important with a large number of growers, so that hints on the subject will be

found useful to many.

The principal work now with geraniums is to have them hardened off as much as possible, so that when planted out they will not suffer from exposure. They should be given all the ventilation possible during the day and at night the venti-lators should be arranged according to the state of the weather, but the time has passed this season for the complete closing of the ventilators either night or day. Give your plants ample room, as it will pay you to get nice short, stocky plants which cannot fail to give satisfaction to your customers. A geranium with a bunch of leaves at the top of six or seven inches of bare stem is a poor thing to send out for bedding or any other purpose, and this is what crowding results

Cannas are called for more largely each year, for they make a grand display. When making up a bed in which to plant cannas, remember that a good rich soil is required for the best results. If they can be so arranged, beds of separate colors and varieties will make a much better showing than will the several colors planted together in one bed. It may be a little too early to plant cannas outside

but they can be well hardened off by plenty of ventilation.

Alternantheras in the hotbeds should be coming along well now and should be encouraged as much as possible. They delight in plenty of sun but must not be kept too wet to bring the colors out. The same may be said about coleus.

Ageratum, sweet alyssum, lobelia and verbenas should now be ready for sale and should not be allowed to become dried out.

If you are to fill any vases, a little taste and judgment will go a long way toward giving satisfaction. If the vases are for cemetery purposes you will be expected to make them as pretty as possible for Memorial Day, so have your geraniums well flowered. The semi-doubles are far well flowered. The semi-doubles are far the best for vases, as they bloom more freely and grow much better than most of the very double varieties. Use numerous vincs in your vases. Put in some good vincas, for making a show at the start, with nasturtiums, maurandias and convolvulus planted among them to develop and maintain the effect. Also use some well flowered plants of lobelia, sweet alvssum ageratum and ivy geranisweet alvssum, ageratum and ivy geraniums which, though they will not stand the heat will be attractive till the other plants have become well established. As a center plant for an extra good job you will find the phormium or New Zealand flax

the best, while several other tall growers. such as cannas, dracænas and palms can be used to good effect.

Asters, stocks, marigolds, zinnias and centaurea, to be used either as cut flowers or for bedding plants can be planted out now. Almost every establishment has a few nooks and corners that can be used to good advantage as ground for stock plants and will at the same time help make the place look pretty and neat. C. W. Johnson.

NEW LONDON, CONN.-Mrs. C. M. N. Sherman has sold the Pequot Greenhouses to the Appledorn Bros., three of them, and all experienced florists.

READING, PA-H. M. Shoemaker has purchased the greenhouses of G. W. Beers at Fifth and Spring streets. Mr. Shoemaker will also continue his flower stand at 532 Penn street.

Madison, Ga.-On May 13 the Ladies' Garden Club gave a very successful flower show and dinner, the proceeds of which will be applied to a fund for the purchase of a monument for the town's confederate dead.

TORRESDALE, PA.—The ground upon which Peyton DeWitt's establishment has so long stood has been sold and Mr. DeWitt has been forced to select a new location where a large modern range of houses will at once be erected.

FORCING

WE have closed contracts with some of the best and most reliable producers for our stock of Roman Hyacinths, Dutch Hyacinths, Tulips, Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading import forcing stock. Give us a list of your wants so that we may be able to quote you on same.

ODN'T FORGET THAT WE ARE STRICTLY IN IT ON SUPPLIES OF ALL KINDS, SEEDS, BULBS AND CUT FLOWERS......

VAUGHAN, McKELLAR & WINTERSON, 45-47-49 Wabash Avenue, CHICAGO.

Armstrong's

Everblooming

Tuberose & &

A NEW departure in Tuberose growth.
Flower bearing buds continue to form around the old flower stock indefinitely.
Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

For Prices and Particulars
...Address...

LUTHER ARMSTRONG,
3720 Olive St., ST. LOUIS MO.

# Dutch Bulbs

HYACINTHS, TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO., Hillegom, Holland.

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# BULBS FOR FLORISTS... FOR SEEDSMEN.

VAN ZANTEN BROTHERS, HILLEGOM. HOLLAND.

HAERENS BROS. From SOMERGEM near Ghent, Belgium

SPECIAL Growers and Exporters of Aza-SPECIAL Growers and Exporters of Azaleas, Palms. Arawarins and other decorative plants, take pleasure to inform you that their Mr. Aco. Haerens is now on his annual visit through the United States. The stock he offers is immense, of best quality and at most reasonable prices. Their New Azaleas will be the favorites of the future. Write for price list and special offer.

AUGUST HAERENS CARE OF .... 66 Beaver St., New York City.

It is good business policy to mention the

#### ....American Florist

when you write to an advertiser.

## **NEW AMERICAN** CANNAS Finest in the World Our Novellies for 1898

#### OUR CANNAS IN FRANCE.

To Messrs A Blanc & Co.
Your new cannas of last year gave me much satisfaction. Please send me a complete set of your noveltles for ISB as soon as ready. Also 12 Glant Crimson, etc.
Signed CH. MOLIN.
Lyon. France, Jan. 3, 188.

#### ASPARAGUS SPRENGERI

Fine plants in 6-inch pots, ready for 8-inch, \$5 per 12.

AMARYLLIS ....

Veltch's Hybrids. \$4 per 12; Equestra, \$4 per 100; Furmusissima, \$3 per 100.

CALLAS
Spotted Leaf, \$1; Black, \$5; Yellow, \$30;
ail per 100. Golden, \$2 each.

DAHLIAS

11 prizes out of 22 at the last Dahlia exhibition. First prize Dahlia, GILT EDGE, \$15 per 100. Send for special list.

A. BLANC & CO., Philadelphia, Pa.

#### Orange, N. I.

The regular monthly meeting of the New Jersey Floricultural Society was held in Decker's hall, Monday night, May 2, President Malcolm MacRorie in the chair. James W. Withers was to have read a paper on "Horticultural Societies, their Purpose and Management," but was unable to attend, as he was confined to bed. An interesting discussion on carnation growing took place. Robert Mc-Gowan, Albin Sanger and William Bennett were elected active members, and James Carmichael an associate member. Dr. Kitchen reported that there would be about \$50 of a surplus from the spring show.

Peter Duff, Sec'y.

ROCHESTER, N. Y.-Daniel C. Cobb, of the Rochester Fertilizer works, at Genesee Junction, has been missing since May 1.

ELMIRA, N. Y.—Grove P. Rawson, the widely known florist, addressed the Horticultural Society on May 7, chosing as his topic, "A Garden Full of Experience." Rev. E. M. Mills, D. D., conducted a question box after the lecture.

# Asparagus Sprengerii

stuff, per 100, \$5.00 .....

Ficus Elastica, true, large lenf variety, 6-incb oots, 20 inches high to 50e each.

Crimson Rambler Roses, extra fine, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00; per 100, \$15.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb.

(a) 15c per lb.

Clothide Soupert, the great pot rose, our stock is
A No. 1, 2-in, ao §3,00, 2½-in, (a §4,00; 3-in, ao
§0,00, 3)-in, ao §9,00 per 100.

Oahlias, 2½-in, pot plants, in named varieties, per
110, \$5,00.

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz., \$1.50; per 100, \$12.00.

For Cannas, Carnations, Chrysanthemums, send in vour list, we have all kinds.

H. P. Roses, dormant, 2-year extra fine stock to \$12.00 per 100.

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§12 (9) per 100.
Clemalis, Ampelopsis Vettehi, Hollyhocks, Paconies, Hydrangeas P. G. etc., we have in large quantities; write us for prices.

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# Good Stock! Low Prices!

CANNAS Strong plants of Alphonse Bon-date Foot Marquant, Am. Effort Bisson See Stewart I lambovant \$100 per 100, \$25.00 per 1000

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JOHN SCOTT,

KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

# Just Arrived

IN FINE CONDITION

Cattleya Trianæ and C. Labiata, also Odontoglossum Crispum and Oncidium Varicosum Rogersii.

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4-Inch, very fine, with 2 character leaves, \$12-50 per 100° \$120-00 per 1000. 3-Inch, very time, with 1 character lenf, \$10.40 per 100; \$20.00 per 1000.

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Lemon Verbena... 81 per 100: 88 per 1000 Salvla Splendens, dwarf, \$1 per 100, \$8 per 1000. Moonflowers, in Jadoo extra, \$1.50 per 100 Coleus Golden Hedder. Nelle Grant, Autumn Glow, 75c per 100: \$6 00 per 100, Alternantheras, yellow, from soil, 35c per 101; \$3.00 per 1000.

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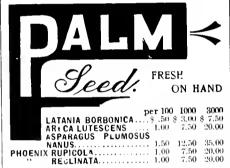
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256-inch pots, strong ......\$4,00 per 100

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Rothschild. Hawkeri, Interruptum, Evansianum, Rubra Lineata, Andreanum, Auren Maculatum and others, suitable for bedding. Fine plants in 3-tuch pots, \$2.00 per doz. New and rare varieties, 50 cents each.

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Borolin leterophylin.... from 20 cents to \$1.00 usch.
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AZALEAS (frown especially for American tradeat very reasonable prices.
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Goliath, the fluest crimson extant.
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Furst Von Hohenlohe, the best yellow.

One each of the above six for \$3.00.

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This set is the "cream" of over 30 varieties introduced last year at \$3.00 to \$5.00 each. America, orange saimon, feathered and veined scarlet, bronze foliage, 35c. each. Allemania, light and dark salmon, golden markings, flowers immense size; 36c. each. Africa, orange salmon, deepening to scarlet, rich bronze foliage; 30c. each. Asia, bright yellow with red spots in throat; 30c. each. Aphrodite, salmon, edged and feathered light yellow; 30c. each. La France, similar to America, but with darker foliage; 30c. each. Pandora, salmon, marbled with scarlet, bronze fedlage; 30c. each. Surviva yellow, with red dashes, very large flower; 50c. each. One each of the eight varieties, \$2.00.

Set of Six Best of Crozy's Introduction - Depute Ravarin, rich garnet. Mme. Leon Leclerc, scarlet, tipped and edged gold. Jos. Combet, velvety cardinal. R. Pearson, golden, dotted red. Mme Favrichon, carmine, with orange sheen. Sec Chabanne, rich salmon, distant shade. 35c. each, or the set of six varieties for \$2.00. Full descriptions of the above found on pages 26 to 29 of our current Wholesale Catalogue.

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| Dwarf Excelsior Pearl, strictly first size\$.85 | <b>\$</b> 7.50 |
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| Album 7     | -9 incl | 1 | 84.50   | 840.00   |
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| Rnbrum 6    | -8 ''   |   | 2,25    | 20.00    |
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#### Second Year Treatment of Grafted Roses.

ED. AM. FLORIST:-Will you kindly advise me as to the treatment of a bench of grafted rose plants which have done duty the past season? Can they be profitably lifted, potted, pruned and planted on ordinary benches for another season's work? B. X. L.

There is no reason why grafted rose plants cannot be lifted and potted, and replanted afterwards in the benches, as well as those on their own roots, though I can see no good reason for going to the trouble of potting at all. Unless very large pots are used, say seven or eight-inch, it will be necessary to remove every particle of soil from the roots, and in all probability cut away much of the root as well, and such treatment for a growing plant in the hottest weather could not be recommended. Again, if pots larger than 5-inch are employed, it will be impossible to set them out properly on a shallow bench. If the soil they are now growing in is of fair quality, and the plants are in good health, why disturb the roots at all? Would it not be better to give them a short, partial rest, then prune, topdress and start again? I think this is the better plan if it can be carried out. The difficult part of the programme is the holding of the plants in a semi-dormant state for any length of time when all the natural conditions are in favor of rapid growth, without going to the extreme of dryness, in which case the wood will shrivel, the roots will be destroyed, the whole plant receive a severe shock, and instead of storing up energy during the resting period as we intended it should, it will be robbed of practically all the vitality that it previously possessed. I believe that when a rose has been growing continuously for twelve to fifteen months it is entitled to and will be benefited by a period of rest, but when that rest has to be given by withholding water during the hot months of July and August it is better to rest too little rather than too much. We have usually allowed about six weeks from commencing to dry off to the time of pruning. Whether it is best to prune hard back, that is, to within 12 or 15 inches of the ground, opinions differ, and each grower must determine for himself. If the bench contains not more than four inches of soil, it will be advisable to add about two inches of good, rich material; if they are not deep enough to allow it, nail strips on top of the side boards; grafted plants are great feeders. It "H. N. I." wishes to transfer his plants to another house rather than continue them in the same benches, I would advise him to rest as recommended above, then prune, lift with considerable soil attached, and replant at once on the other benches. They should be watered rather sparingly until growth commences and root action is well established, but after that can be treated the same as young plants ROBT, SIMPSON. young plants.

19 Syrie, Con. - The large display of the Park Horal Company attracted much at tention at the Pure Food Show last week.

BRIGHTON, PA-The Pittsburg Clay Manufacturing Company's plant was destroyed by hie May 3. Loss 815. 000. The concern employed forty men in making flower pots

SANTA ROSA CAL This is Sonoma county's barrier year in Horieulture and horticulture and the horticultural society. will take advantage of the conditions to give a "I rint and Flower Show

# Roses! Roses!

In A-t stock of all the leading varieties. Now ready at reason able prices.

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Only a few left of Lily Dean, the best of all the fancy vari-

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# **Chrysanthemums**

All the new ones of this year's introductions and all the best of former years in splendid condition for immediate shipment.

All the really good dislinct varieties in extra strong stock from 4-inch

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# M. BEAUTIES FINE PLANTS from 3-inch pots, \$10.00 per 100; \$90.00 per 1000. 2

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NEW PINK FORCING ROSE

Winner of 6 certificates, medal and silver cup. \$3.50 per doz., \$25.00 per 100. A fine stock of young chrysanthennums and carnations. Send for trade list describing above in detail.

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2-in, per 100 3-in, per 100 \$5.00

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Strong field-grown plants, \$50, \$75 and \$100 per 1000

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OWN ROOTS & DORMANT & & FIELD GROWN

to 4 feet, cut back to 2 rec.
Yellow Rambler (Aglain)
Hybrid Perpetuals,
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and well shaped. No. 1, 2 to 4 feet, cut back to 2 feet

These plants are very strong and well shaped. Prices on application. Address

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Strong, thrifty, well established plants thereral price \$4.00 per 100. Extra find lot of Crimson Ramblers.

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From 5-linch Pots at 9c.

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Fine clean plants. Price reduced to close out, only a few hundred each. ...

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Am. Beauties, 3 inch at \$5.00 per 100. Not cullings, but clean, strong, well grown stock and guaranteed free from all disease.....

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ROSES Strong healthy plants from 2, 215 and 3- inch pots at \$3, \$4 and \$6 and Maids, Gonter, Pink and White La France, Siebrecht and Worgan Am. Beauty, strong 3-inch, \$8 per 100. Coleus and Verbenas, \$2.50 per 100; \$20 per 1000. IRSH JUNIPERS for fransplanting, well rooted, 5 to 1 inches. Sample and prices on application.

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Time young plants, healthy and strong 2 %-inch puts, \$8,00 per 100, \*70.00 per 1000.

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#### Cleveland.

WEATHER EFFECTS STOCKS AND CAUSES A RISE IN PRICES .- CARNATIONS ARE ALL ABOVE A DOLLAR A HUNDRED, -FAVOR-ITES

For some time previous to a week ago we suffered from cold, damp and altogether disagreeable weather which was very unfavorable for the production of roses and carnations, which are our mainstay for cut flowers now that bulbous stock is practically exhausted. As a result the latter end of last week developed a decided scarcity in both these staples, and every one was hustling for stock. which in many cases failed to materialize in spite of every effort to coax it out. Business has been steady, nearly every one reporting a fair sale for all good stock.

Sweet peas have been offered in small quantities for the last month and are now coming in more plentifully. They are of good quality, the price ranging from 50 cents to 75 cents per 100. The prevailing variety is Blanche Ferry, while next in evidence are Emily Henderson and

Carnations are selling at from \$1.25 to \$1.50 per 100 for good stock, although the sudden scarcity of last week forced the prices for a short time, and for only a few sales, to \$2 per 100. Bride, Brides-maid, Meteor and other good roses are wholesaling at \$3 to \$4 per 100. They are still excellent in size, color and to liage, although the cold weather has, in a few cases, developed mildew. We are now, however, enjoying typical May weather, and the planting of bedding stock can begin at almost any time; in some cases, indeed, has already begun.

# **CHRYSANTHEMUMS!**

All the very best commercial varieties, viz:

Marquis de Montmort, Lady Fitzwigram, Bergmann, Merry Monarch, Glory of Pactife, Robinson, Henderson, M. M. Johnson, Golden Trophy, D. Spaulding, Viviand-Morel, Mrs. Perrin, Ivory White, Ivory Pink, M. Bonnaffon, Mayflower, Modesto, Jerome Jones, white, yellow and pink, Maud Dean, H. W. Rieman, Lottie Berry, Maud Adams, Emil Bottner, Grecian Bottner, Stock onevcelled and very large quantity of it ready, Let us book order for now or future delivery. 212 inch, \$3.00 per 100. Cuttings, rooted, \$2.00 per 100.

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MORTON GROVE, Cook Co., ILL.

Strong started plants @ 2c each, or will exchange same amount for Madame Crozy.

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About 600 Hydrangeas in 7-in. pots, strong thrifty healthy stock, in bloom. Apply at once to

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THE AMERICAN FLORIST'S COLOR CHART

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ORDER AT ONCE AND SECURE STOCK

CHRYSANTHEMUMS Rose Owen, J. H. Woodford, Dorothy Devens, G. F. Atkinson, Golden Trophy, T. B. Morse, Pres. McK'nley, Western King, The Herriott, Son, Golden Trophy, T. B. Miss Helen Wright, Belle of Castlewood, Chito, C. W. Ward, Mrs. S. T. Murdock, 75 cts. per dozen's \$5.00 per 100. Glory of Pacific, Mand Dean, Mrs. R. Crawford, W. P. Kaynor, Modesto, Lenawee, Pride of Castlewood, Bonnafon, Ivory, North Ellins, 50 cts. per dozen's \$3.00 per 100. Frank Hardy, T. H. Spaulding, Mrs. D. P. Bassett, The Yellow Fellow, Madeline Fratt, Mrs. C. H. Petice, Merry Christmas, 35 cts. each: \$3.00 per dozen Snow Queen. Pennsylvatia, 50 cts. each; \$5.00 per dozen. Snow Queen. Pennsylvatia, 50 cts. each; \$5.00 per dozen. W. H. Chadwick, \$1.00 each; \$6.00 per dozen.

CARNATIONS New York, Empress and Evelina, \$2.00 per dozen: \$10.00 per 100: \$75.00 per 1000. C. A Dana, Mayor Pingree, \$5.00 per 100. Stom King, fine from soil. \$2.00 per dozen: \$10.00 per 100: \$75.00 per 100: \$15.00 per 100: \$15.00 per 100. Eldorado, A. Billard, Count de Bouchard, \$4.00 per 100.

For full description send for our IB98 wholesale list.

THE GOTTAGE GARDENS, Queens, N. Y.

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20c each, \$1.50 per doz., \$10.00 per 100.

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Yellow Sport of JEROME JONES.

It received the bigbest points and a **Certificate of Merit** at the Cleveland Chrysantbemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 2½-in. pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

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Prices low. Send for list. WOOD BROTHERS, FISHKILL, N.Y.

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Rooted Runners, \$4 per 1000. Cash with order.

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WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: \$2.00 per doz., \$10.00
per 100, \$75.00 per 1000.

We will also have Cerise Queen (Breitmeyer),
Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Psyche (Hill), Panited Lady
(Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

## New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow.

35c each, \$3.50 per doz., \$25.00 per 100.

SNOW QUEEN—White.

50c each. \$5.00 per doz., \$35.00 per 100.

MERRY CHRISTMAS—Late White.

35c each, \$3.50 per doz., \$25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

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LAFAYETTE, IND. MAJOR Var.

Per 100 From 4-inch pots......\$7.00 From 2-inch pots......\$3.00

Sonnenschmidt & Junge

456 E. Washington St. INDIANAPOLIS, IND.

#### Milwaukee.

FRANK DULGER'S FIXE ESTABLISHMENT.-FREYTAG'S SUCCESSES. -- ARCHIE MIDDLE-MASS AND OTHERS.—CHANGES AND DE-VELOPMENTS. -- NOTES.

At Frank P. Dilger's establishment one is impressed by the progressive atmosphere, which is always equally beneficial to the plants and pleasing to the cus-tomer. Hearn something on every visit. Here are a lot of echinocactus, both pink and searlet, pot plants handsomely in bloom. A few teet further is a batch of Farfugium grande, beautifully colored. Just beyond is a bed of gentiana, with their tall spikes of curious bloom. Then there is a corner of magnificent begonias and a bunch of iris. Such a house delights a florist. It is such a relief from the regulation show of carnations, roses and violets. I never saw better bulb stock than his. Mr. Dilger has his bulbs planted in flats, covered with eight inches of soil, and over this a heavy coating of straw. They grow long and may be kept until required. One batch is being held for Memorial Day, which is late even for garden bulbs. As bulb stock has been scarce for a few days, Mr. Dilger wasdigging out a few flats when I called. They were a beautiful assortment of pink and light blue hyacinths with foliage quite light, flowers larger than Romans but smaller than the perfect Dutch. Frank says they are ready for market in three days after they come out of the straw, and these were bulbs that bloomed a year ago.

Chas. Zephnick's place might be called Pansy Hill. Frame after frame are seen outside, and when you look into the houses whole benches of pansies salute

vou.

Jacob Freytag & Sons are devoting their establishment to meeting the demands of local trade, and they do it well. They grew 5,000 fuchsias almost to per-They grew \$1000 mensions annose to perfection. Their smilax is in beautiful condition and they have had a grand display of calceolarias. Their palm and fern house shows the result of much care. The ferns are mostly in pans. I was delighted to see a Glorie de Dijon in bloom. It is an old timer among roses. They have a fine bench of cannas and their carnations are blooming nicely.

Archie Middlemass has not been idle. His many houses are full of excellent bedding stock, geraniums and coleus in particular, with a variety of pansies and seedling verbenas. For present cutting amaryllis and adiantums are beautiful.

Geo. Volk's houses are situated in a fertile valley, low and level, and a largefield of tulips reminds one of Holland. His pink sweet peas, Daybreaks, Asparagus plumosus and Sprengerii, are far above the average in quality, while a strikingly attractive bench is of dark heliotrope. Mr. Volk is recovering his health and will, no doubt, be able to be about in a week or two.

Geo. Ringrose's vellow daisies take the cake. M. f. Riebs, a well-known amateur. has a lot of seedling pæonies which will bloom this season. Charles Mann is arranging to supply the demand for a

pink double-flowering crab.

There has been some manieuvering in the flower trade of late. The flower department at Lox's, on Milwaukee street will hereafter be conducted in Fox's name. The clerk help has been considerably changed. D.R. Jones, the druggist, who has conducted a flower department for years, has leased the department to Wilham Edletsen, of Third street, who will conduct this place as an East Side branch. Mr. Luos, who has been selling flowers on Grand avenue, is reported to have sold

out for \$240. Many flower stands are being started at various places on the being started at various places on the East Side. Meadero's drug store, at Van Buren and Biddle streets, has a flower department and W. G. Schuch is doing well on upper Ogden avenue. He has named his place "The Palm House." Mr. Shaw, of New York, spent some time in Milwaukee on his annual trip, as did F. R. Pierson's agent.

We learn that there is a Florists' Club here for a fact, that the officers conducting it are Frank Dilger, president; N. Zweifle, secretary; A. Billings, treasurer.

Holton & Hunkle Co., will add a bulb department to their business next season.

Chicago flowers are coming to Milwaukee more than they have of late.

C. B. W.



....YOU WANT THIS ....

# FOR DECORATION DAY

## Vase for the Cemetery

THE CLARA CEMETERY VASE (Patent applied for by Mrs. C. W. Pike,)

A Receptacle for Flowers. Long Needed for the Cemetery.

A Receptacle for Flowers. Long Needed for the Cemetery.

The CLARA VASE for use at the Cemetery is a handsome as well as one of the most useful articles ever placed on the market. It is absolutely a new thing and takes the place of all the nid the caos, lottles and various old truck that are usually found in the cemetery for holding flowers, and prove such a disgrace where everything else is beautiful and ornamental. It is composed of solid glass and stands about twelve inches high. The lower end is sharp-polited so it can be embedded about the inches in the ground and stand firm. It will hold sufficient water to keep the flowers fresh and sweet, and will accommodate flowers with long as well as short stens. The VASE is bell-shaped and the top has a diameter of about five inches. The VASE is collapsed and the top has a diameter of about five inches. The VASE is collapsed and the top has a diameter of about five inches. The VASE is collapsed and the top has a diameter of about five inches. The VASE is collapsed and the top has a diameter of about five inches. The VASE is collapsed in the collapse of the collapse in the collapse of th

BASSETT & WASHBURN, Wholesale Cut Flowers and Florists' Supplies.

88 Wabash Ave., CHICACO, ILL.

# Herr's Smilax

Sample plants seat for 10 cents, 75 cts. per 100, or \$5.00 per 1000.

#### CARNATION **EXPERIENCES** \*\*

A few hundred left, send your address and get one free......

## ALBERT M. HERR

Lancaster, Pa.

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# CARNATIONS

STRONG, HEALTHY ROOTED CUTTINGS Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzle McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Seed me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices.

# CHAS. CHADWICK,

Lock Box II.

GRAND RAPIDS, MICH.

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The best of all whites. Reduced price. .\*.\*.\*

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FLORA HILL cannot there is nothing in sight to at all equal it. It seeks for itself whorever known. It is all equal it. It speaks for it is fragrant. It is the lorgest bloom. It puts all others in the shade, within past or present to equal it. We have four thousand plants exclusively for propagating from the stock ever offered. So the past of per 180, \$1000 per 180, can trade list is based. If you have not received one send for it.

E. G. HILL & CO., Richmond, Ind.

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#### **BLOOMING CARNATION**

# Anna H. Shaw

The Best "All Round" White Carnatios for Cut Flowers. Recommendations: Wooderful bloomer, Unusual Vigor, Rapid Grower, Forms Strong Blooming Plants in a Very Short Time. Perfectly Healthy, Handsome Foliage, Large Beautifully Formed Flowers on Long Steme. Exquisitely Fragrant, Never Bursts, Blooms Longer and Gives More Flowers than Any Cither Variety Ever Offered If you want a RELIABLE Carnation that can always be depended upon, give Anna H. Shaw a trial. Rooted Cuttings, \$1 oer doz; \$6 per 100. Strong Plants, \$175 per doz; \$10 per 101 Seed for Trade List and Catalogue of Seeds, Bulbs, Plants, Cacti. Etc.

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Ventura (by-the-Sea), Cal.

VERY FINE

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From soil, \$1.00 per 100. Well rooted cuttings, \$2.00 per 100. Good stock rendy now, cash with order. Also 48 other lending varieties

GEO. HANCOCK & SON, CRAND HAVEN, MICH.

# Bread and Butter

Carnations Scott and Rose Queen for Pink; Emily Pierson for Red; Meteor, Crimson; McGowan and Kohlnoor for White. No experiment and disappointment growing these carnations. Strong rooted cuttings \$1.00 per 100, \$8,00 per thousand. Cash with order.

SOUTH SIDE FLORAL CO., Springfield, III.

#### MUST HAVE ROOM

Ceraniome 10,000 S. A. Nutt. 2-Inch. \$15.00 per 1000; \$2.00 per 100. Rooted Cuttings from soil. \$10.00 per 1000; \$1.50 per 101. Mane Bruant, 2-Inch. \$5.00 per 100. Frances Perkins bear Pink. 2-In. \$1.00 per 100. Dracaona Indivien Strong 3-In. \$8100 per 100. Coleus, rooted cuttings, 6 kinds, 30c. per 100; Ktondike, strong 2-In., \$5.00 per 100. Begonin Vernon, 2-Inch. \$2.00 per 100. Carnation 1.dzzie McGowan, soil or pots, \$10.00 per 1000. Casab placee.

#### CARL HAGENBURGER. West Mentor, Ohio.

Everybody is more pleased if you say saw your ad, in the American Florist" when writing.

# 

Two thoroughbred male ANGORA KITTENS, 8 weeks old, maltese and gray and maltese and white, \$7.50 each. A good adv. for well-kept greenhouse.

# Williams & Crittenden,

Waterloo, lowa. žeeeeeeeeeeeeeeeë

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Cold Fields at Your Door.

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COLEUS—All kinds, all grades and all prices.
Verschaffeitil and Queen, 75c per 100; \$6.00 per 1000;
2½-inch pots, \$15.00 per 1000; \$1.75 per 100. Coleus in varlety, 55c per 100; \$1.50 per 1000; \$2.60 per 1000; \$1.50 per 1000. \$1.50 per 100. Coleus in varlety, 55c per 100! \$1.50 per 100. Akeratum dwarf blue. 60c per 100; \$1.50 per 100. Akeratum dwarf blue. 60c per 100; \$1.50 per 100. Anthemis Curonaria. Golden Marguerite, \$1.50 per 100. Anthemis Curonaria. Golden Marguerite, \$1.50 per 100. \$12.00 per 1000. Salvia aplenders, \$1.00 per 100. Vinca varlegata. \$1.50 per 100; \$1.20 per 1000; \$2.00 per 1000; \$1.50 per 100. Salvia aplenders, \$1.00 per 100; \$1.50 per 100. \$1.00 per 100. Alternanthera Paronychioddes, Major and Aurea Nana. 60c per 100. Hellsuthus multiforus, Double Oolden. 24-cinch pot. \$3 00 per 100; Ceraniums, standard sorts, our selection, \$1.50 per 100; \$12.00 per 100; \$18.00 per 100. 
J. E. FELTHOUSEN, Schenectady, N. Y.

# To Clean Out.

| 2.000 Hellen Keller                         | \$1.00   | per 100                                 |
|---------------------------------------------|----------|-----------------------------------------|
| 3.000 Aurea Nana                            |          |                                         |
| 1,000 Lycopodium Dent                       | 1.00     |                                         |
| 1.000 Geraniums, named, 214 in              | ., 2.00  | • • • • • • • • • • • • • • • • • • • • |
| 2,000 " 3 in., mixed                        | 3.00     | * 5                                     |
| 2,000 " 3 in., mixed<br>3,000 " named, 4 in | 5.00     | 1.1                                     |
| 1.000 Salvia Clara Bedman, 4 in             |          |                                         |
| 1,000 Petunias, Dreer's Strain, 3-in.       | 3.00     |                                         |
| 10,000 Asters, Perfection, white, pi        | nk, blu  | e and                                   |
| scarlet, 60c, per 100, \$4.00 per           | 1000.    | Extra                                   |
| strong plants.                              |          |                                         |
| Also 2,000 Asters, Snowball.                |          |                                         |
| 1,000 Fuchsias, 3 in., mixed. @ \$2.50      | per 100. |                                         |

# The Morris Floral Co..

MORRIS, ILL.
Please mention American Floriat.

# MAY OFFER.

| Alternanthera, 2-iu. pots, A. Nana, \$1.75, | Per 100 |
|---------------------------------------------|---------|
| P. Major                                    | \$2 00  |
| Begonias, 2½-in. pot, and Vernon            | 2.(8)   |
| Coleus, 2½ in. pot, and Centaurea Gym.      | 2 00    |
| Geraniums, 20 var., 2½-in. pots, \$2.00;    |         |
| 3-in. pot                                   | 3 25    |
| Geraniums, 4-in, pots, and Double Pe-       |         |
| tunias                                      | 4.00    |
| Smilax, 2-in. pots, 1000, \$9.00            | 1.00    |
| Primroses, ready in June, single            | 2.50    |
| CACH DI PACE                                |         |

JOS. H. CUNNINGHAM; - Delaware, Ohio.

#### BARGAINS IN PLANTS CASH

| French Cannas, Crozy, Queen Charlotte, per 100                                 |
|--------------------------------------------------------------------------------|
| Florence Vanghan, etc., fine plants \$4.00                                     |
| Geraniums, Double Grant 21/2 Inch pots 2.00                                    |
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| Coleus, 5 varieties, fine, 25 Inch pots, 2.00                                  |
| Begonie Vernon, fine 232-Inch pots 2.00                                        |
| Mountain of Snow Ceranium, 2½ in. pots. 3.00 Order at once and get good stock, |

NICHOLAS AMOS, Crestline, Ohio.

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2½-in. pots; Souv. de Sale, \$3.50 per 100; Her Majesty, Glen Valley, Laura Wilmer, Ger-trude, \$3.00 per 100.

#### VIOLETS...

2½-in. pots: Admiral Avellon, Princess of Wales, \$3.50 per 100; Luxonne, California. Campbell, Swanley White, \$3.00 per 100.

THE CONARD & JONES CO., - West Grove, Pa.

#### THE CHOICEST VARIETIES 100,000 VERBENAS. IN CULTIVATION.

Fine pol plants, \$2.50 per 100; \$20 per 1000. Rooled Cuttings, 75c per 100; \$6.00 per 1000; \$50 per 10000 NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

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**GERANIUM** 

In bud and bloom. 2½-inch pots, \$5.00 per 100. Express prepaid to any part of U. S. A.

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# CHEAP FOR CA **1000 CANNAS**

3-inch pots at \$3.00 per 100; \$25.00 for the lot of 1000. Egandale, Chas. Henderson, Queen Char-

ANDERS RASMUSSEN, NEW ALBANY, IND.

#### Geraniums

Best mixed varieties for bedding, all in buds, strong, healthy plants; 3½ inch pots, \$3 00 per 100; 2½-inch pots, \$2.00 per 100.

Cannas 4-inch pots, fine plants; Madam Crozy, Charles Henderson and B. Brown, \$5 00 per 100. Cash with orders.

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# PRICES GREATLY REDUCED Cape Cod Pink Pond Lily

For price lists, Plants and Cut Flowers, address the original cultivators.....

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10,000 Ampelopsis Veitchil, fine dormant pot plants, 1 and 2-year old; price 3 and 6c 10 000 pot-grown Cannas, cream of hedding sorts. 20 000 Violets; 20 000 Carnationa; Spirea Anthony Waterer and Blue Spirea; Strawherry-Raspberry and other new amall fruits. All must be sold. Ask for prices. Address

BENJ. CONNELL, Wast Crove, Pa.

Thos. A. McBeth. SPRINGFIELD, OHIO.

# STOCK...

A Rere Bargain In Bedding Plants. Ceraniums—Grant. White, Scarlet and fineat vars., 4-loch pots, extra strong, \$5.00 per 100. The following at \$3.00 per 100; 33e inch pots: Abutilous, 3 vara.; Artiflery Plants; Fuchsias, Storm King, etc.; Ceraniums, Graut, etc.; Heliotropes, 3 vara; Lantanas, 3 vars. All are extra strong, in bud, sire to please. Cash, or one hair cash and halance C. O. D.

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# ROEMER'S ROEMER'S Superb Prize Pansies The finest strain of Pansies in the World. INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES. Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application. Fred. Roemer, Seed Grower, - QUEDEINBURG, GERMANY.

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"Superb colors and exture."

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In Trade Packets at \$1.00 each. M. B. FAXON,

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THE JENNINGS STRAIN.

PANSIES
THE JENNINGS STRAIN.
THEY ARE GRAND.
Fine stocky plants in bud
and bloom, \$10 and \$15 per
100 by express; small plants,
75c by mail. Pausy seed, \$1.00 per pkt. Aster
seed, Semple's pink, \$1.00 per oz. Cash with order.

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Lock Box 254. SOUTHPORT, CONN.

Crower of the Finest Pansies.

# PANSIES IN BLOOM

\$2.50 per 100. \$20.00 per 1000.

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# PANSIES IN BUD AND BLOOM

Extra fine plants, \$2.00 per 100; \$15.00 per 1000. Cash with the order.

Edwin Lonsdale, Wyndmoor, Chestaut Hill. PHILAGELPHIA, PA. Money Order P. O., Station II, Philla.

# **Extra Fine Rooted Cuttings**

BY MAIL. A FEW THOUSAND LEFT.
Colens, 8 varieties, 40c per 100; \$5.00 per 1000. 1 (eithorop, \$1.00 per 100. Salvia, 4 varieties, 75c per 10;
Daisles, yellow and white, \$1.00 per 100. Agerstim, 75c per 100. 2000 Assorted Geraniums from 3-inch pots, \$3.00 per 100. English Daisles, \$2.00 per 100

MILLBROOK LEA CREENHOUSES, ... Mauli. WHITFORD, PA.

## VEGETABLE PLANTS

Tomato, Cabbage, Leituce, Celery and Sweet Potato, 1b cts. per 100; \$1 00 per 1000.

Pepper and Egg Plants, 25c per 100; \$2 00 per 1000.
Cauliflower Snowball, 35c per 100; \$2.50 per 1000.
All plants by mail, 10c per 100 extra Price list for large quantities. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

#### 5.000 SMILAX...

From flats, by mall, 50c per 100, 84,00 per 1000 From 2-inch pots, \$2,25 per 100, \$13,00 per 1000 Geraniums from 2-inch pots, \$2,25 per 100; \$20,00 per 1000. Cash with the order. Send for samples. Fred Boerner, CAPE MAY CITY, N.J.

#### Omaha

THE LANDSCAPE GARDENING AT THE TRANS-MISSISSIPPI EXPOSITION WHICH OPENS

The landscape features of the Trans-Mississippi exposition have progressed so far that beauty can now be discerned at almost any part of the spacious grounds. The Court of Honor is fast assuming a finished appearance, with broad walks and parking in front of various buildings connected with colonnades bordered by lawn and shrubbery. In the lawn we see numerous spots left for flower beds. In the center of the court is a broad lagoon in the west end of which, in front of the massive government building, a fine clectric fountain will be displayed.

Across the center of the lagoon, now nearing completion, a bridge of artistic design connects either side with an island which will be a spot of beauty. Here are spacious flower beds ready to receive the various plants which will greatly add to the beauty of the court.

At the east end of the lagoon is a great viaduct over Sherman avenue, connecting the Grand Court with the Bluff tract. where the principal agricultural, horticultural and state exhibits are to be made. In passing over this viaduct one is afforded the most pleasing landscape view of the exposition. In the foreground is the Grand Plaza, bordered by trees of symmetrical shape, while to the east the work of the landscape architect is dis-played in shrubbery and bordered walks. In the background, interwoven, if I may use the term, is the natural scenery, the Missouri River and the timber covered bluffs of Iowa.

Around the horticultural building are flower beds of every shape and style, and opposite to the main entrance to the building a large aquatic basin awaits There are to be two other outexhibits. door displays of aquatics, and the beds will be filled with exhibits from all parts of the Union.

More than ten thousand trees and shrubs have been planted in the past few months and are showing a very fine growth.

The landscape designs are the work of R. Ulrich, of Brooklyn, N. Y., a man of national reputation, who also had charge of the World's Fair grounds. Jos. Had-kinson, assistant to Mr. Ulrich, has executed the work with great care, and at present is one of the busiest men on the grounds. At one time this department had something like four hundred men on the pay roll. G. R. H.

#### Worcester, Mass.

The weather is becoming more spring hke and planting out will soon be at its height but as yet little has been done, as the last two weeks have been wet and cold. Flowers still continue to be fully up to the demand and thequality has not Commenced to deteriorate. Trade is holding up fairly well and prices remain firm for first class stock

Visitors in town: J. Blannov, Holland, and John Ringier, representing J Laughan, Chicago

Tro west O. The Oakwoods Cemetery Association has reclicited Co. W. L. Haynesses president and John Rathbun as superintendent.

Torribo, O. The floral decorations which George V Heint prepared for the Secon Barnes worlding surpassed any thing in that Jac Foretofore attempted m Toderloo



# **Kraft's Plant Tonic**

For Plants, Palms and Flowers

A Wonderful Preparation for the Promotion of Plant Life, Des-truction of Insects and Scale.......

The Tonic makes the foliage of the plant soft and pliable and

84 & 86 RANOOLPH STREET, CHICAGO.

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14 BARCLAY STREET, NEW YORK.

#### EXTENSION THE MODEL EXTENSION SUPPORT



QUEENS N. V., Feb. 16, '97.

MR. THERON PARKER,
Brooklyn, N. Y., Dear Shr.—
I bave tested your latest
model Carnation Support and
am free to say that I consider
it the best whre carnation
support that I have ever seen.
It is quickly and easily appited, and I think will prove
very durable, and you certainly deserve great credit
for the invention.

Very truly yours,

('W. WARD.

FLATHUSH, BROOKLYN,
N. Y., Feb. 18, 97
MR THERON PARKER,
Dear SIT; - Your wire stake
is certainly a gem Without hesitating we indorse it
as an up to-date carnation
support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb. 18, 97.

MR. THERON PARKER, Brooklyn, N. V. Dear Shrett glees are much pleasure to congratulate you upon your success in getting up earnation supports. I think that those I have had from you are about as perfect as any-body will be able to make them. They certainly fill my bill for an ideal curnation support, a think I have been looking for for a long time, Wishing you every success in the sale of them, I am Yours truly, E. ASMUS, it discount on early orders.

Write for price list and discount on early orders.

THERON PARKER, 22 Morton SI. BROOKLYN, N. Y.

# Scollay

Sprinkler....

INDUSTENSABLE J. A. Scollay, Maker, H Myrtle Ave

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VAUGHAN'S SEED STORE, Gen'l Western Agents, 84 Randolph St., CHICACO.

SHADING Weather Proof Paper ready for use on sush or greenhouses, Unexpelled for Palm, Fern or Propagating houses. It will be spout bed cloth considerably

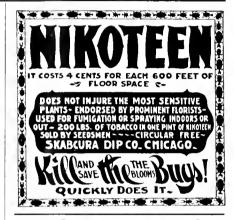
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PROBLEM AND PROFESSIONS. BINCHAMION, N. Y.



Stems...

Strong and Clean

...Dust BEST QUALITY Bale (400 lbs.) \$2 00 100 lbs. \$50 Ton. 9,00 500 lbs. \$500

## T. W. Wood & Sons.

Seeds, Bulbs and Supplies for Florists and Gardeners, Send for Catalogue.

... RICHMOND, VA.





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STEMS DUST EXTRAGT

IBOTTOM PRICES.

VAUGHAN'S\_SEED STORE,

Chicago. New York.



### Nashville. Tenn.

The cut flower trade has been unusually dull for the past week. The plant trade is rather active, and in a few more days all, or nearly all, the planting for the season will have been done, and the front yards of Nashville's many pretty residences will be gay with all sorts of blossoms. Plants are very cheap, twenty good varieties selling for \$1. The market house, which is never without its quota of flower sellers, displays daily an immense stock of every kind of plant, and quite a good business is done there. The marketers are, for the most part, the many smaller growers from the outskirts of the eity. They also sell bunches of cut flowers at remarkably cheap prices, the stock, however, would hardly be shown in the floral stores. Still it finds purchasers, and the goodly housewife leaving the market with a generously laden basket, frequently finds room upon the top for a good-sized bouquet which costs but 5 or 10 cents.

Some of the wealthy amateur florists adjacent to the city are showing fine specimens of the Baroness Rothschild and Mrs. J. Laing varieties of roses, grown in gardens where the rich native soil has not been exhausted by long cultivation. The florists may handle these if they choose, as the growers are not averse to selling, but as a general thing the blooms are distributed to the friends of the growers, as many as 100 at a time.

Florists are filling outside beds for summer blooming, although the nights are still cool and frosty, so as to give the plants time to become established before the spring drouth comes on, followed by our long, hot, dry summer. Green-houses will soon be emptied of their stock and replanted for next season.

M. C. Dorris.

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have forced us to the front and today we are the largest manufacturers of....

# IRON RESERVOIR VASES

and Lawn Settees in America. . . . A 40-page catalogue for the asking.

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Mention American Florat

# NEW & SECOND-HAND MATERIAL,

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CHICAGO HOUSE WRECKING CO Largest Mail O'der Depot for New and Second-Hand Material in the World.

W. 35TH & IRON STS., CHICACO.



EVANS' IMPROVED CHALLENGE VENTILATING A*PPARATUS* QUAKER CITY MACHINE WORKS.

FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hother Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.





# GREENHOUSE MATERIAL

Cal. Red Cedar and Louisiana Cypress. BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO. SHEFFIELD AVE. CHICAGO, ILL.

# Standard Flower

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere

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ANDARD

BRANCH WAREHOUSES:

Kearney and Westside Aves., Jersey City, N. J. Jackson Av. & Pearson St., Long Island City, N. Y.

FLOWER POTS

ALL KINDS.

List and SAMPLES FREE.

J. G. SWAHN'S SONS, MINNEAPOLIS, MINN.

STANDARD POTS

🔤 GEO. KELLER & SON.

Flower Pots.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave.,

CAMBRIDGE TILE MFG. CO., Covington, Ky.



# STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y. DETROIT, MICH., 490 HOWARD ST. HARRY BALSLEY, Rep.

# یو مو Standard FLOWER

If your greenhouses are within 500 mites of the Capitol, write us; we can save you money.

W. H. ERNEST,

Station M. N. E.

WASHINGTON, D. C.

# Made by Good Railroad Facilities KELLER BROS.

Special Attention Given to Mail Orders, and Special Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.

# STANDARD FLOWER POTS

Send for price list of Standard Flower Pots, Hanging Vases, Seed Pans and Cylinders for Cut Flowers Lawn Vases, 17x17-in., \$1.00; 19x20-in., \$1.50; Bases 12-in. high 50c. Address

HILFINGER BROS. POTTERY, FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, AGTS., 52 DEY STREET. - NEW YORK CITY.

# **Pots**

Standard Pots at the following low prices for cash with order .

Harrison Pottery, - Harrison, Ohio.

# Successful Growers are Wanted

CHICACO, ILL.

A SPECIALTY

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW! .....tising in the American Florist.

### Smilax, Asparagus and Tuberoses

Replying to "Subscriber," who inquires whether young smilax and asparagus from seed require shading and as to the best way to start tuberoses, would say that shading is necessary for young asparagus or smilax plants. There is no better way to start tuberoses than in 31g or 4-inch pots plunged in a hothed. Otherwise, if short of room, they may be put in sand in boxes and placed under the benches in the greenhouse, where they will start rapidly.

GREENSBORO, ALA.-The rose show by the Presbyterian ladies, April 22, was a the Presbyterian ladies, April 22, was a great success. Prizes were awarded to Mesdames C. E. Waller, P. A. Tutwiler, J. M. P. Otts, A. L. Stollenwereh, L. M. Otts, and T. R. Ward.



# ARE THE BEST

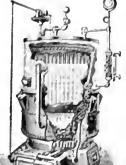
For Heating Greenhouses, Conservatories and Dwellings.

Our botlers consume all gases from the fuel, therefore making it the most desirable boiler for greenhouse heating on the mar-



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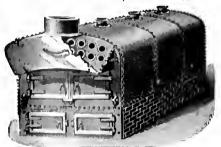
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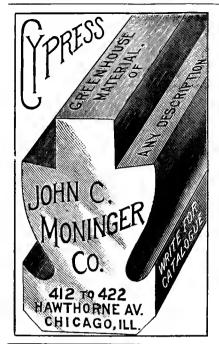
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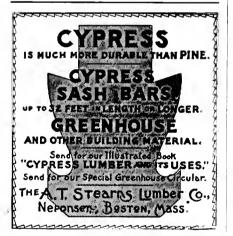
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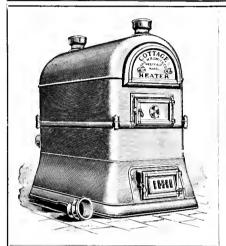
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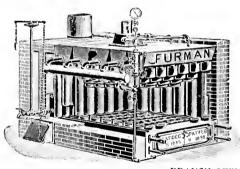
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| DornerFred & Sons Co.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1243         | Randall A L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1232             |
| Fighbultz Henry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1245         | Raynor J L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 233              |
| Elliott W H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1234         | Reed Glass & Paint Col                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 247              |
| Elita & Pollworth 1234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1217         | Regan Printing House                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12.5             |
| Ernest W H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1247         | Rice M & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1202             |
| Felthonsen J E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1215         | Ricksecker C H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 257              |
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| Bassett & Washharn.  1232 Bayersdorfer II & CO. Blinne A & CO. Boroink L. C. Cambridge Tile Mr. Carmody J. D. Chadwick Ghas Chicasy W. C. Coles W. W. Conard & Boddington Coles W. W. Conard & Jones Co. Connell. Berj. Conley John & Son. Cottake Gardens Crair Robit & Son. Critchell's Son B. P. Crowl Fern Co. Conningham J. H. Detroit Flow Pot Mr. Dickinson Albert Co. Dietisch A. & Co. Dietis | 1243         | Reed Glass & Paint Co. Regan Printing House remoers Bros. Rice M & Co. Ricksecker C H. Rider. Ericsson Co Roemer Fred Rowers P'k Floral Co. Roemer Fred Rowers P'k Floral Co. Roemer Fred Rowers P'k Floral Co. Roemer Fred Romers Pirol Sollay Jno A. Scott Jno Shepherd Mrs T B. Sheridan W F. Selebrecht & Son. Skabenra Dio Co. Smith Paint B Co. Smith The H B Co. Smith W C Co. Son's chmidt & Junge. South Park Floral Co. Stearns Lumber Co. Stearns Lumber Co. Stearns Lumber Co. Stelens E. Struck J N & Bro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1240             |
| Calgo Chas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1233         | Rolker A & Sons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 246              |
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| Hull Leon L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1231         | Tokyo Nurserles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 236              |
| Herr Albert M. Hillinger Bros. Hill E G & Co. Hillinger E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 122          | Vance Botler W'ks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1248             |
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| Hall Leon L. Hant E H. Hant E H. Hant E H. Jackson & Perkins Co Japanese Nursery. Jenning E B Jones Hirsm T Kasting W F Keller Broe Maler Cook Sons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1295         | St Lonis Cut FlowerCo<br>Steffens E.<br>Struck J N & Bro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1246             |
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| Jones Hirsm T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12.95        | Vangnan, McKonar &<br>Winterson<br>Vincent R & Son<br>Wabash R R<br>Walker Fart Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1239             |
| Kasting W F<br>Keller Bros<br>Keller Geo & Sons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1247         | Wahash R R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 123              |
| Keller Geo & Sons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1247         | Walker Fert Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1238             |
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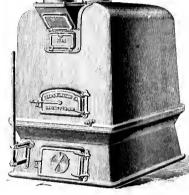
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Vol. XIII.

# CHICAGO AND NEW YORK, MAY 21, 1808.

No. 520.

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Morrison, Ill.—R. R. Davis has sold out his wholesale and retail floral establishment to M. E. Miller, of Polo, Ill,

### Seed Breeding.

It is a fundamental law of nature, one upon which the stability of the animal and vegetable kingdoms rest, that every living organism is like the one which produced it. Men do not "gather grapes from thorns nor figs from thistles," but simple as the law is in its statement, it is far from simple in its development and results. Not only is the character of every animal and plant influenced by that of its immediate parents, but through them its accestors back for many generations exert an influence on it, and because of this, and the varying degrees of potency of these many influences, each individual animal or plant differs in some degree from every other. It is evident that the more nearly alike all these ancestors and hence their influences are, the more cer-tain we may be that their descendants will be like them. If you know that back for twenty generations each of the 2,097,-150 ancestors of an unborn colt were black we could be sure that the combination of all these influences would result in its being black, but if we only knew that the father and mother were black and knew nothing regarding the 2,097,148 other ancestors we would not be so certain. It is true that the influence of the immediate ancestors is usually greater than that of any one of the preceeding ones, but supposing the father and mother were black and the 2,097,148 other animals were all white the influence of the first two would have to be more than 1,046,574 times as strong as the average influence of each of the others in order to overbalance them, while if no two of the 2,097,150 were exactly alike in color it would be impossible for any one to tell what the combination of all these influences would produce.

Although these principles of heredity are not so easily traced in the vegetable as in the animal kingdom, they are at work there in the same way, and an illustration of their working in animals is equally an illustration of their working in plants, and whether we merely glance at such figures as we have given or look into the subject more fully, we shall feel assured in proportion as we give the subject careful study that the chief factors in determining the character of every animal and that of the plant every seed will produce are the influences exerted by its ancestors. A pedigree is a record of ancestry, and in so far as it is truthful and complete it enables us to predict with certainty the character of an unborn animal or the plant our pedigreed seed will produce. In the illustration given we are certain that the colt would be black, but we could not tell whether it would be

big or little, fast or slow, gentle or vicious. All these qualities would depend upon the combination of other influences of which we know nothing. All the plants of a given variety are in a general way alike, but there is a wide difference in the degree to which different plants of the same variety show the distinctive merits of the sort. If our pedigree simply states that every ancestor was of a certain variety, we know that our plant will be of that variety, but we cannot know how well it will show the distinctive merits of the sort any more than in the illustration we could tell what sort of a black colt we would have.

Simple and plain as these principles of breeding are, so simple and plain that it seems childish to state them, they are often ignored by seed breeders who are content to simply know that no mixed or 'off' plant is allowed to exert its baleful influence; but if we are to produce the highest and best type of a sort we cannot be satisfied simply to know that every ancestor was of the sort, but must know that each one was the highest and best type of the sort in its generation. To this end a very clear and perfect conception of what the best plant of that sort should be, not only as to one characteristic, but as to all, is very essential. In this respect our seed breeders are far behind those who make different breeds of animals a study, and because of this failure on their part our varieties of vegetables and flowers are constantly changing and 'running out.' Let me illustrate by an actual experience: Some years ago I visited a cabbage grower who had raised his own seed for more than twenty years and was said to have established a variety of great merit. I went with him into one of the finest ten acre fields of cabbage I ever saw and asked him to select an ideal plant of his variety. He did so, and I carefully noted its every characteristic. We went to another part of the field and I asked him to select a second. He did so, and this plant differed materially from the first in length of stem, size, color and shape of outer leaf, shape and color of the head. In short, was as different from the first as are most varieties, though both were good marketcabbages. He selected for me five ideal cabbages such as he would save for seed to breed from, and no two were alike. In answer to questions he said he simply looked for a good market cabbage, paying no attention to other points. He was a splendid cabbage grower, so good that every one wanted to get hold of his variety; but it is strange that in the hands of other cultivators it seemed to "sport" badly, to lose its char-acter and to "run out." The first requisite, then, for the production of good, of pedigreed, seed is a clear conception of exactly what you want a plant of that variety to be, and the clearer this conception is as regards every part, even of those that are not a part of the market product, the better. WILL W. TRACY.

# Experiments with Chemical Fertilizers on Greenhouse Plants. Paper read by Professor W. E. Britton before the New York Farists. Club. May 9, 1808.]

CONCLUDED FROM LAST WEEK.

### CARNATIONS.

During the winter of 1896-97 a few carnation plants were grown by the aid of fertilizer chemicals, and the results were such that we were induced to plan and carry out the following season an experiment with carnation plants. Over 200 plants of three varieties, Daybreak, Alaska and Wm Scott were used. Benches were five and three-fourths inches deep and were divided into equal plots having an area of 14.53 square feet. plots were filled with compost and the remaining plots with coal ashes with 3% of peat moss. Six plants of each variety (making eighteen in all) were set in each plot about the second day of October. All dead leaves and lateral buds were saved from each plot separately, and later analyzed. The blooms were picked when well open, and in about the same manner as they would be gathered for market. except that the diameter of each flower, length of stem and any imperfection or characteristic was noted and all carefully recorded. Flowers of each variety from each plot were also weighed. Chemical analyses were made of the cut flowers, and from the fresh weight of the blooms it was possible to calculate the amount of plant food which had been removed from the soil in the flowers. Analyses of the plants were made at setting time, and at the close of the experiment the old plants were removed carefully from the soil, tops and roots, and these, with the trimmings, were also analyzed. From these analyses we were able to tell the exact amounts of plant food which the plants contained at the start, and how much the plants in their flowers, foliage and roots, had taken from the soil. Knowing the quantities of fertilizer chem icals which had been applied to the coal ashes, we were thus able to make some definite calculations as to what the carnation requires chemically for its develop-

ment. By means of the plants growing in the compost soil we were able to make a rough comparison. Plants in coal ashes made a good growth, toliage looked well and they bloomed more freely than the plants in compost. With Daybreak and Alaska, the blooms were larger where grown in coal ashes, but with Win. Scott there was scarcely any difference. This variety (Scott) was attacked by a disease, which many of you doubtless know under various names such as "stem ror" and "dieback," so that the experiment was impaired as regards this variet. The disease was worse on plants in the coal ashes and pear than on those in compost, though both were attacked, and it is very probable that flowers produced by these diseased plants were below the normal in size and number. The largest yield came from a plot filled with coal ashes and peat fertilized with chemicals an average of 27 3 blooms per plant of 3, 5-4 blooms per 100 square feet of bench space being produced. The largest crop was gathered from the plot in which for i granes of introgen, twelve of phosphore acid and sixty of potash were mixed wir a r

the ashes and peat. This is equivalent to a dressing of 3 lbs. 14 oz. nitrate of soda, 1 lb. 1 oz. dissolved bone black and 1 lb. 13 oz. muriate of potash for each 100 square feet of bench space.

The plants when set contained about as much plant food as was taken off in the crop of blooms which they produced. This season we have continued the experiment, but the plants have not done as well in either soil as last season. Cohesion of petals which is known as "sleepiness" among some growers, was peculiar the numbers of flowers taken from the two plots. The soil of coal ashes gave larger blooms, but they were rather lighter in color than those from the compost plot. Both were equal as regards fragrance and form.

During the winter both plots have shown good thrifty plants with perfect

foliage and free from mildew.

WAGNER'S SOLUTION. Some four years ago potted plants were fertilized with soluble plant food, prepared after a formula recommended



CARNATIONS GROWN IN COAL ASHES AND PEAT MOSS.

to the Wm. Scott variety, and did not seem to bear any very close relationship to the quantities of nitrogen applied. It is the opinion of certain growers that this trouble is caused by too much nitrogen. We are not yet prepared to say whether they are right or wrong.

### ROSES.

In October, 1897, a small section of bench space in the forcing house was equally divided, and one half filled with compost, the other with coal ashes and peat moss. To the latter was added fertilizers as follows: 15 grams nitrogen, 6 grams phos, acid and 30 grams potash. This is equivalent to 2 lbs, 12 oz. nitrate of soda, 1 lb. 1 oz. dissolved bone black, 1 lb. 15 oz. muriate of potash for each 100 square feet of bench space.

The area of each division was 7.26 The area of each division was 6.20 square feet. We happened to have on hand a few roses of the Duchesse de Brabant yariety. There were two large plants which had been growing for two seasons, and one was planted in the center of each plot, the other plants were of a season's growth, and four of them were planted in each plot, putting one in each orner around the larger plant. At first the plants in the coal ashes dropped their leaves more than those in the compost, but soon put out new ones and began to bloom. They have blossomed contin-balls in both plots ever since, and at the present time there is no difference between by Prof. Paul Wagner, Director of the German Agricultural Experiment Station at Darmstadt.

Prof. Wagner has used many solutions for watering plants, and has succeeded in growing some excellent specimen plants, according to his own illustrations, which are made from photographs. He has published the results of his work in pamphlet form.\*
The solution contains:

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We have called this Wagner's solution. and have it prepared and kept in our greenhouses for use at any time. At first this solution was given to rooted cuttings of geraniums, begonias, heliotropes, carnations and a few miscellaneous plants, which had just been potted; but the leaves began to drop, and the solution was withheld entirely for three weeks, when the plants had recovered and were making a good growth. Two plants each of begonia and geranium and tour of heliotrope were potted in a compost made from good turl and one-third stable mannie. To these plants no solution was given. The same number of

\*The Australiang Kunstlicher Dungmittel im Ohst und Germa chan in der Rlumen und Gar-ten Kultur. Third edition Paul Purey Berlin, 1862

plants were potted in the same kind of soil and watered with the solution. A third lot of plants were potted in a soil of anthraeite coal ashes and peat moss, prepared in a manner which I have already described, and watered with the solution. Solution was given the plants whenever they needed watering. It proved to be too much for them, and though they made an excellent growth for over three months there came a time when the growth could no longer continue. Plants grown in the compost and watered with the solution were the largest of all, while the smallest plants were those grown in the compost with no liquid fertilizer. Heliotrope plants grew as well in the coal ashes as in the compost, where both received the solution. Carnations were best in the compost where no solution was added. Geraniums and begonias grew best in compost with solution, and were better in the compost alone than in the coal ashes with solution.

Beginning September 18, this treatment was continued until about the first of January, when some of the highly fed geraniums began to wilt. It was soon found that the plants would not recover even though the soil was saturated with

moisture.

The plants had been overfed, and an abundance of foliage and flowers had been produced, but the root system was exceedingly small. High fertilization does not tend to produce roots. The leaf surface increased while the root system did not until there came a time when the roots were unable to take up moisture as fast as it transpires, or is given off from the leaves. Then the plant wilts, and as long as the same conditions prevail it will not recover. We removed the plants, carefully washed the soil from their roots, trimmed their tops severely and potted them in ordinary soil, and they recovered. We have since used the same solution with excellent results, but we apply it less frequently. One application a week for slow growing and woody plants, and twice a week for the more rapid growing herbaceous plants seems to be sufficient.

The past winter similar experiences have been met in our tomato experiments. Through five successive crops, where the fertilizer chemicals were increased with each crop, the maximum limit had not been reached—that is, no injury to the plants had resulted. The injury to the plants had resulted. The maximum limit as regards profit may have been reached, but that can be determined only by a continued increase of fertilizers until there is no increase, or, perhaps, an actual decrease in the crop itself. So a still larger amount was added for the sixth crop. In certain plots of the houses the plants began to wilt after three and one-half months' growth. The plants where the wilting first occurred were situated a little less favorably as regards light and air than some of the others; a plant growing where there is plenty of sunlight ean use more food, and consequently will bear high fertilizing better than a plant which has less light.

The effect of exeessive fertilization is to destroy the root hairs, which are so necessary to the plant. These root hairs deeay, but are quickly replaced by new ones, which in turn decay also. This is explained by Sachs in his work on the physiology of plants (page 256). The physiology of plants (page 256). The amount of readily available nutritive matter in the soil exerts a considerable influence upon the size of the root system. If the soil contains an abundance of plant food that is only slowly available, or if only a small portion of it is available, the root system will be developed in much the same manner as in a poor soil.

In a soil containing an excess of nutritive matter which is at once available, the plant can obtain all the food it needs, or can use, without sending out long roots to gather it in. There is already plenty at its feet. Why should it tax its energy to obtain more? In this respect we may liken the plant to a man, who is very unlikely to work for his dinner if plenty be placed before him so that he can obtain it without the working. If

Between the grower and his plant-the producer and the consumer—there is often a middleman. This middleman of the greenhouse belongs to one of the lowest forms of plant life, and is called a microbe or bacterium. It has long been known that the nitrogen of certain organic substances cannot be used by the plant until the substances undergo a change or de-composition. The plant is benefited by this process because certain microbes transform the nitrogen of the proteids into nitrates—a form in which it can be used by the plants. This fact alone in-



ROSE DUCHESS DE BRABANT GROWING IN COAL ASHES AND PEAT MOSS.

the practice be overdone in either case the foundation of the individual-either plant or man-is undermined, and its strength impaired.

The great problem is: How much can we safely feed the plants? The commercial grower is also interested to know how he can obtain the best crop with the

smallest outlay.

The quantity of fertilizer which we can use with safety depends of course on two important factors—the kind of plant we are growing and the form of plant food we are using. Some plants are much more sensitive than others to the effects of fertilizers, or, in fact, any cultural conditions. You who are growers of plants know this. The readiness and extent of the availability of the nitrogen, phosphoric acid or potash in any fertilizer fixes for us to a certain extent the quantities that can be used.

But after we have learned the exact requirements of the plant-how much nitrogen, phosphoric acid and potash it uses when grown in its most perfect form—one would think it might be an casy matter to apply the formula and harvest good results. It is not so easy. troduces a complication into the art of growing plants. This organism is called nitrifying bacteria or ferment. There is another organism which is known as the denitrifying microbe, which, instead of rendering the nitrogen available from divers inert forms, dissipates the nitrogen from nitrates so that the plant cannot get it. It escapes into the air as free nitrogen. It has been shown by several German experimenters, especially Wagner, that when fresh horse manure was used with nitrates the fertilizing effect was so depressed that the yield produced by the manure and nitrates together was somewhat less than that produced by the nitrates alone. Where the quantities used of stable manure and nitrates are known to be not excessive the only explanation of the fact is that the nitrogen was set free by the microbe life of the soil. That these microbes may occur in fresh manure has been demonstrated, and some of our own experiments show that a considerable loss of nitrogen has actually occurred from the reduction of nitrates where no extract of fresh manure was added to the soil. Extract of horse dung caused a greater loss than extract of fresh cow dung. Potting soil from the compost heap caused a reduction in the same manner, and to about half the extent of the fresh horse manure, while the surface soil from the garden had little or no effect in destroying nitrates.

In our experiments with fertilizers for tomatoes, in every case where fertilizer chemicals have been added to a rich compost, the yield has been diminished instead of increased, and with our present knowledge of the subject we should expect that such an effect might be produced from either of two canses: (1) If the compost was enriched to such an extent that available nitrogen, phosphoric acid and potash are present in excessive quantities, or very near the maximum limit that can be safely employed, the addition of more plant food would injure the plant by destroying the proper balance between its foliage and its root system, and wilting would be the result. But this has never happened in the compost soil in our experiments. Moreover the plant food in compost is not all readily available, but gradually becomes so, and is taken up by the plant as it is needed.

(2) The other cause—the denitrifying bacteria might produce such a result by setting free the nitrogen from the soil. Where nitrates are added it is food for these bacteria as well as for the plants and might enable them to increase with greater rapidity than they could do in compost alone. Hence more nitrogen would be set free and finally more lost from the soil than has been applied in chemical form.

At one time we attempted to grow head lettuce in some soil gathered from a sandy plain and placed in our forcing house benches. It was lacking in humus, or organic matter, and we supplied it by adding peat moss. It was supposed to be deficient in plant food and fertilizer chemicals were applied in quantities sufficient to produce a crop. But the plants refused to grow and after a tew weeks the leaves were of a reddish brown color, which is characteristic of starved plants. Their small size was another prominent characteristic. We knew what we had added to that soil, but we were not able to recover it in the plants.

So far as I know there is no other way of explaining this experience, except by means of the denitrifying bacteria which had set tree the nitrogen so that it escaped before the plants could get it.

This, gentlemen, is the reason why I have so little to say regarding the use of chemicals in connection with an ordinary compost soil in the greenhouse. We sometimes obtain excellent results from such applications

Vgain we see no benefit. If those denitritying organisms are present, it would seem best to apply our fertilizer chemicals for the nitrogen at least-often and in small quantities. It may be that we can destroy these interobes by sterr fizing the soal so that we can use nitrate without danger of loss. But in sterilizing the soil, we also destroy those in robes that help us the mirifying germs It we wish to keep these bacteria that render available, the introgen of organic substances, I am afraid we must run, the risk of having the germs that dissipate nitrogen. We may perhaps use a poor soil that has been sterilized and fertilize it entirely with chemicals, but that ic mains to be demonstrated

If we can find any way of employing chemicals with sure and beneficial results there is no doubt that in most cases it

will be cheaper to obtain plant food in this form than in the form of stable manure, which is already growing scarce in the vicinity of some of our large cities.

### Obituary.

### THOMAS CARTLEDGE.

Thomas Cartledge died on May 17 at his home at Holmesburg, Philadelphia, in the house in which he was born on July 8, 1834. His demise was the result of heart failure and general debility. He leaves a wife, a married daughter and a son, A. B. Cartledge, who some time ago succeeded to his father's interest in the widely known firm of Pennock Brothers.

Thomas Cartledge served an apprenticeship with William Hall at Andalusia In 1851 he engaged with Benjamin Gulles at Fifteenth and Pine streets and received his first experience in city life.



THOMAS CARTLEDGE

Resigning this position in 1854 he lived with his father on the form at Holmesburg. When the civil war broke out he enlisted and served until his company was mustered out. In 1862 be became foreman for Pennock Bros., who had a nursery and small fruit farm in Delaware County and sold their products at the Twelfth Street Market in Philadelphia. In 1863 the call for volunteers found Mr. Cartledge again ready to take up arms in defense of his country, and he served as one of the "three months men". In this one of the "three months men". In this year he married Miss Emma Neil, of Burlington, N. J. Returning to Pennock's with expiration of his second term of culistment a small greenhouse was built, in April 1861, and from this time dates his life as a retail florist. He succeeded to an interest in the firm on the retirement of J. L. Pennock in 1870, and under his guidance the business grew rapidly. Larger quarters being required in 1875 the property 1511 Chestnut street was purchased and one of the finest establishments in the country was erected, in which a very large business has since been conducted. It is still growing and ranks among the first floral stores of the

A) Cartledge has always been active matters looking to the elevation of the armess. In 1870 he was elected a memory of the Pennsylvania Hortienthural courty and was always an ennest of the and contributor to its exhibi-

tions. For three years he held the office of treasurer and his resignation, on account of other pressing duties, was accepted with regret. He was a member of the Society of American Florists from the beginning. Since the organization of the Florists' Club he was its treasurer until last fall, when, on account of his failing health, he was obliged to resign. His opinions and valued counsel were of great benefit, and his "Go slow boys," when an unusual draft on the treasury was talked about saved the club many a dollar. As a business man he was very energetic. He believed in doing everything well, and nothing in plants or flowers was too good to carry in stock. His disposition was most kindly and many a brother in the business was afforded flowers from his stock which it would have been impossible for him to get elsewhere. Mr. Cartledge had a kind word for everybody and none came to him in distress that he did not do all he could to help them in their trouble. He was a prominent Mason and a member of the Independent Order of Odd Fellows.

### The Outlook at Omaha.

Omaha is waking up. Hard times and depreciation in values have brought discouragement and hesitancy during the past three years, but all signs point to immediate prosperity now. It took determination and grit to plan and earry out the scheme for the great Trans-Mississippi Exposition which is soon to be opened to the world under the most favorable auspices, and any one who has the privilege of viewing those magnificent buildings with their stately architecture and artistic surroundings cannot fail to be deeply impressed with the enterprize that has made them possible. The buildings are well nigh completed, and already large consignments of exhibits are being received preparatory to their arrangement in their respective departments. While not so extensive as the World's Columbian Exposition at Chicago in 1893, the buildings and grounds are a eity in themselves and are as big as any one will want to see, and all the attractive features of the great Chicago specta-cle, including Moorish palaces, harems and Midway Plaisance for the frivolously inclined, will be fully reproduced. Under Mr. Ulrich's energetic management trees and large plantations of shrubs and hardy flowers have been set out, and the view from the bluff on which the exposition is located over the Missouri valley and across the fertile lowa prairie is most impressive. The only foundation for un-easiness lies in the vagaries of the Missouri river, which, without previous warning occasionally takes a notion to change its course and cut off a few thousand acres, more or less, from lowa and annex them to Missouri, and vice versa. What a catastrophe it would be if the river should annex the great exposition to the prohibition state some dark night on or about June 1, or, still worse, just as the S. A. F. special trans-continental train is pulling in to the Union station on the morning of August 16.

There is an army of men at work in and about the exposition buildings, but there is plenty of activity elsewhere. A new railroad station and a new postoffice are already accomplished facts, and there is plenty of construction going on preparatory to the accommodation and comfort of the crowds of visitors expected. Altogether the city is attractive and homelike. The exposition buildings are about two miles from the Union station.



HORTICULTURAL BUILDING, TRANS-MISSISSIPPI EXPOSITION, OMAHA.

The intervening territory includes the County Court House, a stately building, which is set on a hill and consequently cannot be hid, the Lininger Art Gallery, a grand private collection of rare and valuable works of art, generously opened to the public by its owner, Mr. Geo. W. Lin-inger; the First Congregational church, where the S. A. F. convention of 1898 is to be held, and the stores of a number of Omaha's prosperous florists. Among the latter is the establishment of the kindly retired in favor of Mr. A. Donaghue, Jr. Not far away is the headquarters of Hess & Swoboda, where Mr. Jacob Hess presides and finds a market for the plants and flowers sent in by Mr. Swoboda from the greenhouses out of town. Mr. Hess is a gentleman of never failing resource and is sure to come out on top every time, even if he were not the treasurer of the Nebraska and Jowa Florists' Club. To a lady customer who had deserted him for another he is said to have sent a bunch of flowers accompanied by a sheet of music entitled "Old Love Lingers Still." The eustomer came back! 'Then there are Lewis Henderson, smiling and courteous, B. Haas, whom everybody likes, Aug. Peterson, who runs two establishments, the Nebraska Seed Company in charge of Mr. R. Engelmann and L. A. Stewart, opposite the postoffice, where a vase of handsome Safrano roses recalls the old times. All are enthusiastic and hopeful regarding the approaching visit of their tellow craftsmen and are prepared, with the invaluable assistance of "Cactus Davey," Secretary Erfling and other distinguished gentlemen, to do all in their power to make the convention a memorable one.

A visit to the greenhouses "out of town" is much like a visit to similar establishments elsewhere. On the way, one is impressed with the fertility of the soil, which is black and rich as a compost heap, to an unknown depth, as attested by the big dandelions two feet in diame-

ter that lie thick by the road side. A lilac and almond bordered path leads up to Mr. Donaghue's greenhouses, where may be seen American Beauties and Bridesmaids in wonderful luxuriance, fine houses of roses for summer blooming, and asters, sweet peas, carnations, gladioli, etc., in profusion. Just beyond is Mr. Swoboda's headquarters, where Perle and Niphetos seem to revel and where the inevitable preparations are being made to tear down an old house and put up a new one. Mr. Swoboda is a philosopher. His comment after a hail storm had riddled his houses as contained in an official report to his partner was, "It hailed," and then he smiled quietly.

Across the river is Council Bluffs. This city is said to be twenty-five years older than Omaha. Its presiding genius is J. F. Wilcox. Mr. Wilcox is the busiest man and has the biggest range of glass west of Chicago. Five establishments he runs, including acres of rose houses, acres of vegetable forcing houses and vast tracts of vineyard and fruit farms, besides a fine flower store in the city proper. Five houses, each 34x120, was the extent of his building last year, and an addition of equal area is contemplated this season. Roses, carnations, violets and promiscuous plants are the crops and they are richly fed by liquid manure supplied from tanks constructed on the top of the hill in the rear of the houses. Mr. Wilcox began business a few years ago with a little cottage and 100 sash; at the present rate of progress he will own half the state before he turns grey. His former partner, L. A. Casper, is now an alderman. McPherson & Frey, formerly Me-Pherson & Reed, report spring business good in plants.

The great attraction of Council Bluffs is Fairmount Park, which has wonderful natural advantages as a place of public recreation. The view from the high oak covered bluffs is grand and well worth a long trip to see. The visitors, next summer, will find it an attraction second only to the Trans-Mississippi Exposition.

Preparations for the convention go on rapidly and the local fraternity are fully equipped to give a good account of themnot regret the trip to the hospitable city of the great west. Very low railroad rates are likely to be granted within a short time, and both President Gude and Secretary Stewart assured the writer, on their recent visit, that the indications all their recent visit, that the model point to a large gathering in August.

E. T.

# Notes and Comments.

Now for a navy blue chrysanthemum,

and let its name be Admiral Dewey.
Whether "E. L." is a stockholder in the American Florist Company or not makes no difference. The promoters of the opposition must have thought he was stockholder, for stock was offered to "E. L." in the rival paper, and he has had occasion to be thankful many times since for having refused. We are all entitled to indulge in a preference, and my preference is for the AMERICAN FLORIST, for the good and sufficient reason that I believe it to be the better trade paper, not only as an advertising medium but in every other

One of our leading department stores has been advertising "Cuban Lilies" for sale, and they are described as "big bulbs which are said to increase in size and vigor each year. Each throws up one or two spikes with eight to a dozen large blooms—white with stripes of crimson violet. Sweet scented." What are they?  $\Lambda$  day or two after the above appeared in the advertising columns of one of our daily newspapers an item in the reading columns of one of them was as follows: "What ouce was dubbed a Chinese lily is now selling well under its title of Cuban lilv." It cannot be possible from the It cannot be possible from the advertised description of the Cuban lily that it is what is commonly known as the Chinese sacred lily. That, of course, is a narcissus. I do not know of any of the narcissi having "flowers white with

stripes of crimson violet." I have not had an opportunity of seeing the bulbs, but have been advised that the Cuban

lily may be a crimum.

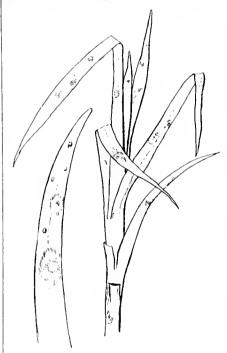
I am having some fun with fuchsias these days. I have been picking up varieties wherever I could so as to secure as complete a collection as possible. According to their manner of growth and habit, there is serious mixture among them. There is one variety under three different names, Fancy, Purple Prince and General Roberts. I received it some years ago under the latter name from E. G. Hill & Co., and I believe this to be the correct name. Elm City I mentioned as not being true to name a few weeks ago. One lot received under the name of Arabella-good old Arabella-is proving to be Rosain's Patrie. Octavie Feuillet and Paul Deralade appear to be alike, and Celine Montaland and Buffon are apparently identical. One good old sort I feel sure is true to name, and that is Avalanche (Henderson's). There were two distinct varieties under this name sent out the same year, sometime in the sixties, if my memory serves me correctly. Henderson's Avalanche had yellow foliage and double purple corolla. It was referred to occasionally as double Wave of Life. The latter variety also had foliage with a decided yellow east, but as above indicated the corolla was single. other Avalanche was raised and dissemi-nated by a Mr Smith—George, I believe. This one had a double white corolla; the varieties producing that color of double flower were not by any means so plentiful at that time as they are to-day. What has become of all the varieties of fuchsias with single white corollas? Not one have I noticed described in any catalogue that has come under my notice for some years. Personally, 1 prefer the single flowering Personally, 1 prefet the sorges varieties among fuchsias, especially in the sorges with white corollas. The plants make a more graceful appearance, and 1 believe bloom more freely.

The ranks of the florists are becoming more or less depleted by some of the patriots joining the United States army. Two of Peter Vanderveur's sons suddenly decided to chlist a few evenings ago, and after successfully undergoing the necessary preliminaries started for Mt. Gretna on Tuesday, May 10. Peter Vanderveur is well known about New York, having been largely interested some years ago in the growing and disposal of hardy plants, roses, clematis, etc., grown in Boskoop, Holland, and offered for sale at the auction rooms of the old firm of Young & Elliott. He is now the propagator at the Andorra Nurseries, which are located in the extreme northwest corner of Philadelphia, at the head of the beautiful and romantic Wissahickon drive, Fairmount Park. His sons, William and John, were, until they decided to go to the front, employed in the greenhouses of Edwin Lons dale. John, who is under 20 years of age, has worked therein over a year. William is about 22, and has been engaged for four years or more. He took a great interest in everything he had under his care, and was especially fond of orchids. His mind will often revert, in the intervals when not banging away at the Spaniards, to the more peaceful occupation of raising seedling expripediums, and he will turn an anxions thought occasionally towards the little baby orchids he left behind, and be solicitous as to their welfare during his absence. He took an interest also in crossing the different varieties of crotons, and quite a fatch of seedlings in the various stages of development is the resuit. When the Spannards are thoroughly

well satisfied-and I trust it will be quite soon-it is to be hoped he will return safe and sound and take up the more congenial occupation of horticulture, and with the steady application which he has shown during the past few years he should continue a useful citizen and a credit to the profession.

### The Carnation Fairy Ring Fungus.

Second only to the carnation rust is the damage done by the fungus that causes circular spots upon the leaves of the car-The disease often shows itself upon the younger leaves and almost anywhere from base to tip, the round spots varying from a mere speck to one whose diameter is as wide as the leaf. writer has seen plants with every leaf almost entirely occupied with the spots,



FAIRY RING FUNGUS OF CARNATIONS.

and then, of course, growth ceases and the crop of fungus spores is enormous.

At first the spot is of a pale color, covered with a gray mold, changing to a brown as time goes on. The fungus is one well known to science and bears the long name of Heterosporium cehinulatum Berk. It gains entrance by the spores germinating upon the surface of the leaf and sending their absorbing thread into the growing tissue below. After vegetating for a while, the fungus develops filaments that extend out through the sto-mates and bear the spores. It is this exterior growth of threads, and the spores they produce, that gives the moldy appearance to the afflicted spots.

From the manner in which the spores are moduced it is seen that anything that will earry the spores will assist in the spread of the trouble. When dry, the dust like spares may be carried by the wind and when wet they flow along with the water that may be driven upon or between the leaves of the plant by the hose show watering the house,

As a precaution it may be suggested that all leaves showing the fairy rings le pid ed off and burned, and if certain prints are budly infested these may be reand bodily from the bed. In watering,

avoid as much as possible the wetting of the foliage, and should the grower wish to use a fungicide the sulphide of potassium may be used, one ounce to ten gallons of water. This fungicide is cheap, about fifteen cents a pound, readily soluble and harmless to the plants. It can be dissolved, a pound in a half gallon of water, and a fraction of this placed in the spraying pump with the required amount of water to make the weak solution. The potash is a food element, and when it reaches the soil may be taken up by the plant as such. The same mixture has proved an excellent remedy for the leaf spot; and is also a standard remedy in the open for such troublesome diseases as the mildew of the gooseberry.

Byron D. Halsteb.

### Carnations.

If they have not been made before, now is the time to make your plans for next season unless your stock has done remarkably well the season just past, then it is better to let well enough alone, excepting to experiment in a small way and endeavor to produce better stock, more of it, and at a reduced outlay. Cost is unite an item now in the growing of carnations, for even if some growers do get \$8 and \$10 per 100 for their stock, the bulk of them will not get that, although their stock may be just as good and they will have to try and turn out first-class stock at a lower rate of production or expect to lose money by growing carnations.

The question of solid beds or benches demands serious consideration in connection with the cost of growing carnations. With me and my soil 1 can get far better results from all varieties planted in solid beds over the same varieties grown on benches. There are no doubt many growers who could get the same results but in making the change do not do so over the whole of your place at once or you may rue your bargain; it is far better to try one house the first year or even part of a house, but be sure that it is a good house or the experiment will not be a true one. The advantages of solid beds over benches are many, the greatest being in the fact that you are not rotting out a lot of expensive lumber all the time; another is that the time consumed in watering is not nearly so much, and with these two items of outlay taken off you have already considerably reduced your expense account. It is a recognized fact that watering carnations is a thing that must be done with great care not to wet the foliage, and with solid beds you need not water oftener than twice a month; then it can be done on a good bright day and the evil effects of watering over the plants reduced to a minimum. Last but not least is the fact that your stock will

be far healthier growing in solid beds.

A house of Flora Hill grown the past winter will perhaps be the best argument I can make in favor of solid beds. The house was 22x150, a three-quarter span with the long side to the south. Under the south gutter was a path two feet wide, then a solid bed four feet wide, an eighteen inch path and another solid bed the same width, then a two foot path and a bench on the north side. The house was planted about August 20, the whole house at the same time with plants that did not vary in size a half inch over the whole house. It started without any seeming check and the first flowers were gathered about October 1, the heat being put on the same date. The temperature wine kept to about 60° at

night and 70° to 80° during the day. The bench and the solid beds were given about the same treatment excepting that the bench required at least five times as many waterings as did the solid beds.

many waterings as did the solid beds.

The points in favor of the solid beds was first of all a decided difference in the health of the plants, those on the solid beds growing much stronger and healthier than those on the bench. Another very decided difference was in the size of the flowers, those on the solid beds being at least one-third larger than those on the bench. The difference that counted most was that the solid beds turned out fully twice the same number of flowers per square foot over those on the bench. There were of course some objections to the solid beds, and the greatest of these was that the stems growing such large flowers were not quite strong enough to hold them erect and they had to be tied up very carefully to get them straight. Another objection was that about ten per cent. of the flowers on the solid beds per cent, of the flowers on the solid beds bursted their calyx while those on the benches did not burst at all, and about the middle of January the house was allowed to get too cold with the result that about fifty per cent, of the flowers came bursted for something like six weeks. This could have been avoided by proper regulation of the temperature. The flowers on the bench were not affected to any extent and this is one thing in its favor.

Taking the smaller per centage of flowers cut from the bench, the extra amount of time consumed in watering and the wear and tear on the bench, the difference in the cost of the flowers to me was considerably in favor of the solid bed system. Some growers claim that the plants do not bloom as early in solid beds nor as well and that they get the bulk of the well and that they get the Durk of the flowers only in the spring when they are cheap. With me it is just the opposite. I get the bulk of my flowers at Christmas and Easter by a little manipulation in the growing, and cut more between those dates, beginning October I, from the solid little that the solid from header. I when I was a from the solid control of the solid section of the solid section of the solid section. beds than 1 can from benches. Unless 1 make a special effort to have them run later, they are about over and ready to pull out after Decoration Day, thus getting my crop into the regular season as good as any bench grower possibly can. These differences, however, may not be so great in other soils and may even be reversed in some; but after you have learned to handle your stock so as to get the best results from the solid beds, you will be astonished at the advantages they offer. ALBERT M. HERR.

### Fuchsia Gracieux.

The fuchsia heading this note has been referred to in your columns quite recently. It is the most showy little fuchsia I ever remember to have seen, and it is an early bloomer. It can readily be brought into bloom, so as to attract attention, in a greenhouse by the middle of April. To have large plants, which might on occasion be desirable, it would be well to root a few strong shapely cuttings in the fall and bring them along slowly in a temperature of about 55° at night, and never allow them to become pot-bound or crowded; they should make very showy plants either for sale or exhibition purposes.

Mr. Ansel T. Simmons gives a little history in connection with the re-naming of this variety, which is mighty interesting reading (See American Florist, Vol. XIII., No. 512, p. 967). This is a question for the nomenclature committee to act upon.

### Helpful Reminders.

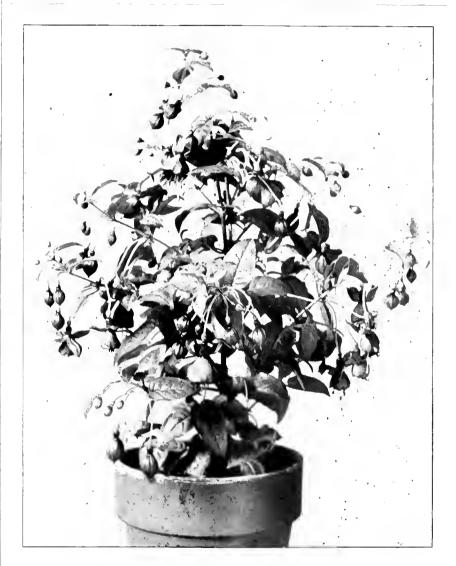
Bamboos are now starting nicely. Do not allow them to become starved before August. Keep them well fed and watered for there is nothing prettier than a well-grown bamboo, yet you are very apt to become discouraged the first season of your experience with them.

Note the curling of the leaves as you go through your houses. It is a sign of warning for you, and is usually followed by red spider, and hard times generally set in. This point does not apply to any one class of plants, but to almost everything

least of two evils. Fuchsias should be in their prime, but they will be attacked by spider almost as quickly as mildew takes hold of roses. Coleus attracts mealy bugs if kept too hot and dry and much good stock is ruined at this time of year.

It is not yet safe, in most localities, to set out asters, but if you have sown the best seed, it pays to transplant them into pots or flats. If you have the room, a bench of them inside is good. Choice asters are desirable.

Dahlias that were set out apart and potted have grown considerably and it



FUCHSIA GRACIEUX.

but eacti, and varies according to the style of houses, stock which is carried and amount of care bestowed. Just now, when heat is on the increase, is when danger of neglect is at hand. The tendency to curl is a provision of nature to prevent rapid evaporation and indicates a shortage of moisture. After this continues for any length of time, the plant becomes weakened and insects attack it. The insect is almost always charged with the destruction of the plant, but it is bad management which creates the situation favorable to the insect, red spider and mealy bug in particular. Where you cannot keep your stock moist enough at the root, shade it. While many arguments against shade are well founded, it is the

pays to give them a shift now. Give them plenty of room and they will make strong plants and be as far along at planting time as cannas, which is unusual but sensible. There is a prejudice against dablias because they are so late in flowering but if grown properly they will be much earlier.

Cannas are now starting strong bud stalks. Don't allow them to wilt or become starved. If you cannot shift them, sprinkle earth and manure between the pots. They will root through and you should break the pots when setting out. This is for particular work. You cannot afford to have plants checked just as marketing season is at hand.

Your cobæa vines must be staked now

or they will be in a tangle. A second batch of nasturtium seed should go in now. Try and have a tew of each variety of perennials in pots now to accomodate late orders. It does not do to shift them later in the season, besides there is nothing like pot grown stock to thrive when planted out.

C. B. W.

### The Dwarf Phloxes.

Just now and for a while to come, these beautiful free flowering species and varieties are deservedly admired by all who are fortunate enough to get a chance to examine a collection of them planted together, but we rarely see them in sufficient numbers and variety to give us a clear idea of the effects that might be produced with this simple material in the spring months. As a rule we only find two or three varieties of P. setacea or P. subulata in ordinary collections. These are rightly considered indispensable in the border, for they are the earliest of all, being about a week ahead of the improved varieties in this section, but perhaps not everywhere.

The color and shape of the flowers represented in the later introductions are far superior to the typical white or pinkish sorts. P. subulata, The Bride, only a few days later than the original variety, is white with a distinct dark purplish eye and retains the same free spreading growth and the blooming qualities of the parent. P. subulata Nelsonii is a great improvement on the old white, very distinct in growth, the foliage, except when in a young state, being stiff, almost spiny as in P. aristata, and the plant much shorter and very compact. The pure white flowers are rounder, the petals touching or even overlapping each other.

The same growth and dense habit is noticed in the superb P, subulata Vivid, which surpasses all others in brightness of color; both last named varieties are remarkably free bloomers and produce a wealth of flowers, covering the entire growth for several weeks. Being only a few inches high and carpeting the ground completely, they are well adapted for groundwork under the taller flowering plants that bloom later, especially when the latter are of such kinds as are slow and late in starting into growth, as the hocconia, inula, hibiscus, cassia, dietamus, gillenia, etc.

P. pilosa grows somewhat stronger and higher than the foregoing, still it is a trailing species recommendable in every way. P. amorna deserves special mention, for it is in bloom in May and June and frequently gives us quite a display of its deep pink blossoms in the full, especially on young stock in well enriched soil where the roots and tops can roam at will and are not bemined in by neigh-

boring gross feeding plants.

This fall blooming habit has shown itself regularly with its for the last ten years or more. Some scasons the plants were quite attractive late in the year, the flowers being evenly spread over the patch, but not to be compared with the bright effects of the masses of spring bloom, at other times the conditions for a fall crop of flowers were less favorable and the bads appeared more sparingly. It is not so dwarf and low as P subulata and its varieties, but grows dense and compact at all times. When young or recently planted, eight mehes is its extreme height for the first season, but after that it may grow twelve to fifteen inches high according to soil and conditions. As a per plant ter spring sales at proved very satisfactory being neat clean, compart and very floriferous. P subulata Vivid and P, subulata Nelsonii can also be recommended for this purpose.

P. ovata, with deep reddish purple flowers, the stems not over twelve inches high generally, the foliage oblong and rather thick, is a pretty species and should find a place among our spring flowers. I', reptans is another low creeping kind very desirable in every respect. In spring it sends up slender little stems crowned by a cluster of very near deep purplish red flowers, which continue to come out in succession until the dry summer heat spoils them for the season. P. divaricata is the tallest among those mentioned here, attaining a height of from ten to fifteen inches. It does not begin to bloom until the second week in May with us, but it is a most elegant species for the garden, no other phlox possessing its charming and unique shade of lavender blue. The flowers are large in size and produced in many-flowered clusters, many of which often spring from the same main stem. There are several lighter and darker shades of blue represented, one being almost white with only a faint tinge of lilae; all are surprisingly beautiful and last for a long time in perfection.

The flowering season of any or all of these phloxes may be prolonged considerably when we select the most suitable situation for them. On the south side of a building, wall or fence, or on sloping ground with a southern aspect and fully exposed to the action of the sun, we cannot reasonably expect the individual flower to be long lived, while it is really astonishing how much their lasting qualities are improved in an eastern or northern exposure or under the slight shade of tall shrubs or trees.

[1] J. B. Keller.

# A Drummer's Twaddle.

Past Niagara, over the borders into the Dominion, whirling along the edges of the Hamilton hills, past the rich flats extending away to Ontario's waters, we came to beautiful Toronto, on the bay, with its funny looking "bobbies," with their helmets strapped below their chins, with their leathern stocks and creet and pompous bearing; with its street car conductors who collect their fares with a pitcher-shaped receptacle, into which the passenger drops his nickel, the collector passing through obsequiously as if taking up a church collection and when through, depositing his box at the end of the ear with a solemnity most impressive and regardless of thieves who, in any other place but Canada, would almost surely break through and steal.

Remembering the success of the S. A. F. convention held there some years ago, when we were so finely entertained, we doff our hat to Toronto and its florists, and gladly record another pleasant visit.

Canadian florists must be prosperous judging from the appearance of their greenhouses, their busy movements, and the presence of many customers througing their beautiful stores on King street. We found John II. Dunlop building two new greenhouses, 20x 100 feet each, as an addition to his already large plant, this me reased room being required for more roses and carnations. Tidy & Sons' tidy place showed evidence of good patronage, and this conteous hum kindly gave us good welcome. Win, Jay & Son were crowded with orders for spring stock, and atisfied with business prospects. Granger Bros., with their triple line as florists, muss rymen and seedsmen, were well occupied. Jolly Tom McKerrighan, J. John was that "a good laugh is worth

a hundred groans in any market," has started a new plant on the Davenport road to better supply his down town store. Veteran Geo. Plumh, at his pleasant location at Davisville, vies enterprisingly with the younger florists, and has lost no zest for his lifetime business.

Running out to Brampton, we found H. Dale putting up two houses, 20x600 feet. These, added to his former 125,000 square feet of glass, makes his the largest establishment in Canada. Dale was busy handling 10,000 young, low-grafted Bridesmaid and other roses, which he intends for foreing the coming winter. Mr. Dale told us that this was his second season of handling roses in That it induces better and this way. longer growth of stem and freerer blooming, and as affording further evidence of what he thought of this method, stated that his first experiment was with 500 plants; his present stock so treated is 10,000, and that he will prepare 20,000 next season. He loses only five per cent. of plants so treated, and says that since he has acquired "the know how" looked in future for a nominal loss of one per cent. of plants so grafted.

R. Jennings was also adding a new 18x100 feet house to his former good plant. At Hamilton, friendly Thos. V. Kilvington reported excellent business all winter, and a good prospect for spring trade. E. G. Brown, at his neat and well-kept establishment, confirmed the other good reports of generally successful business, and was well stocked with staple spring stock, waiting balmier conditions only to move for outdoor planting. Webster Bros. were in the midst of active operations digging and delivering nursery stock, and at the same time making plantations of hardy stock in their grounds on Wentworth street. On our return trip to the States, we met with Mr. B. O. Bartlett, who has recently retired from the drummer's ranks to engage in the florist business at Jamestown, N. Y., having recently purchased the A. L. Thrall greenhouses there.

Mr. Bartlett formerly represented the Winchester Arms Co., and is one of the most expert shots in the world, one of his exhibition feats consisting of throwing six balls into the air at the same time and hitting each one before it falls to the ground. We welcome him to the eraft, and hope he will make as successful a hit in it as he did in his former business.

EDDY.

# New York.

WHOLESALERS REPORT RUSINESS DULL,—
OUT DOOR FLOWERS COMING IN FREELY,
—RETAILERS—FIND—DEMAND—FAIR,—
STEAMER—FRADE—BEGINNING,—SALE OF
POLYKRANAS' FEFUCTS,—DEATH OF JOHN
HART

Rainy weather has prevailed throughout almost the entire week, retarding the spring plant trade badly and having a dispiriting effect on the cut flower business at the greenhouse end and the store end, too. Wholesalets find the demand very light, orders being infrequent and for small amounts. Out door flowers such as likes, late tulips and parrot tulips, Poet's narcissus, bly of the valley, etc., are coming in heavily and almost crowd the legitimate greenhouse product out of sight. Lilaes come in by the barrel, the the price being 82 to \$3 per barrel. This applies to the purple kind only, white being none too plenty and its adaptability for use in association with choice flowers giving it a special value enjoyed by but lew outdoor products.

Violets are about at an end. For nice

corsage work sweet peas or moss roses take their place effectively and are worn very generally. Moss roses from some growers are extra good. Others grow the poorer varieties; why, it is hard to say, for they cost about as much at the outset and take as much room and care as do the more desirable sorts. Of Jacq. roses but few are seen and the outdoor cut will soon be in view. Meteor, Bride and Bridesmaid are on deck in unweildy quantity and deteriorating quality. American Beauty is in the same condition, but to a less degree. Carnations are also in overstock for the very light demand. Smilax and ferns are moving slowly at low figures.

The retailers give varying reports as to present conditions. Some admit that business is unexpectedly dull with them, while others profess entire satisfaction. Steamer work has begun in earnest this week and is not apparently much reduced in volume as compared with the corresponding date in previous years although the impression has been given in some quarters that steamer work would not amount to anything on account of the war. There are no large decorations this season; the Mackey wedding which took place on Tuesday, the 17th inst., was heralded as something extraordinary, but it proved to be a very modest affair in all its appointments and the quantity of flowers used was not sufficient to make even a ripple on the surface of the market.

The contents of the Polykranas store which was seized by the sheriff for the benefit of McDonald & McManus were sold at auction last Wednesday, bringing in the aggregate about \$175 with which to satisfy an account of about \$133.

John Hart, eldest son of James Hart, and well known among the wholesale and retail trade, died on Wednesday, May 11, of pneumonia, aged 28 years. The funeral was attended by a number of his late associates. He left a wife and twochildren.

Mr. C. S. Loder, of the Florists' Board

of Trade, has been asked to serve as a director in the Merchants' Association. Visiting New York: J. W. E. Ebbinge, manager of the Horticultural Co., Boskoop, Holland.

# Philadelphia.

FLAG DAY AT DREER'S NURSERIES-, MUSIC, SPEECHES, LUNCH AND PATRIOTISM.—
BUSINESS CONDITIONS.—THE MONTHLY EXHIBITION.

Last Saturday was a galaday at Dreer's nursery in Riverton, New Jersey. All the employes of the city store, at 714 Chestnut street, were present, with a few invited guests, and took part in the proceedings. The special event was the raising and unturling to the breezes of a flag 12x25 feet. This beautiful specimen of Old Glory was purchased by the employes, the pole sixty feet in height being provided by Mr. Dreer. Miss Bertha Eisele, daughter of Mr. Jacob Eisele, pulled the cord which released the captive banner at the mast head, releasing hundreds of small flags which came fluttering down as the folds of the large flag caught the breeze.

Win, F. Dreer made a short patriotic address and was followed by Nicholas Brookner. Rev. Fred Owen also spokein words befitting the occasion. The band of music present played time honored selections and the very air seemed full of patriotism. A fine lunch was provided, to which all did justice. Darkness coming on put an end to the festivities which, no doubt, did much to arouse fresh enthusiasm and love of country in the hearts of those present.

Business is very light, it being a long time between customers in the stores these days. The bad weather may have something to do with it, as it has rained one day and poured the next for a week Todây (the 17th) is beautitul, past. Foday (the 17th) is beautiful, and perhaps there are more like it to follow; in that event things may become a little better. Prices are about the same as last week except that bargain lots seem to be more plentiful.

The monthly meeting of the Pennsylvania Horticultural Society on May 17, was of unusual interest on account of orchids exhibited. Conspicious among these were a specimen of Lællia purpurata var Mandiana from the collection of C. G. Roebling, of Trenton, N. J., which was awarded a silver medal, and a plant of Lællia purpurata var. Orangense from the collection of Wm. Albert Manda, of South Orange, N. J., a magnificent specimen with nine spikes and 34 flowers in a state of excellent cultivation which was also awarded a silver medal for rarity and a certificate of merit for excellence of cultivation. There were some good plants of calceolarias on exhibition which showed careful culture and were favorably commented upon by the judges, as were also the cauliflowers, tomatoes, lettuce and other vegetables shown in competition for the Michell and Dreer premiums. The meeting was fairly well attended although the amateur element was conspicious by its absence. Mr. Thilow, Mr. Michell and others made suggestions as to how the amateur might be interested in the monthly meetings and some fruits are expected in the near future from this interesting discussion.

### Boston.

A GLUT IN THE MARKET CAUSES PRICES TO FALL, CARNATIONS COING DOWN WITH A THUD.—CERTIFICATE FOR FARQUHAR'S NEW NARCISSUS .- WANTED: A HORTI-CULTURAL BUILDING.

The cut flower market has been characterized this week by a glut in which unusually heavy production and very light sales have combined to reduce prices in almost all lines, the heaviest fall, however, being in the carnation market, where prices have gone down fully one-half. Roses are very nearly as bad, and bulbous stock is disposed of with difficulty, being unsalable except at very low prices, and much of this class of merchandise remains in the hands of the wholesalers.

Violets are about at an end with the exception of the hardy dark variety known as the Cape violet, which comes in large quantities for a couple of weeks at this season of the year. Lilies are the single item which shows improvement, \$8 per 100 being the price for good stock. There is a prospect for a considerable advance as Memorial Day approaches, as the records of previous years seem apt to be eclipsed by the general observance of the day in which present belligerent conditions will result this year. Everything indicates a bountiful supply of carnations for memorial decorations.

At the exhibition by the Florists' Club, given last Saturday, R. & J. Farquhar & Co. displayed blooms of the new narcissus Victoria, for which a certificate of merit was awarded. Robert Laurie exhibited his ever-blooming chrysanthemum Independence, which was much admired, and the usual bright display of seasonable flowers was made by James Comley and several others.

The Massachusetts Horticultural Society has caused to be circulated a petition to the mayor and city council representing that it is highly desirable that a building appropriate for horticultural and floral displays be erected on the public garden, or other accessible site belonging to the municipality, in which large exhibitions may be held with great benefit to the public. All local floriculturists, be they amateur or commercial, will unite in urging favorable action on the petition.

The number and brilliance of the tulins in the public gardens exceeds that of any previous spring, and the display attracts great attention and universal admira-

Visiting Boston: S. S. Skidelsky, Philadelphia.

### Chicago.

TRADE CONTINUES VERY DULL.-THE MAR-KET OVERSTOCKED.—AMERICAN BEAU-TIES WERE NEVER SOPLENTIFUL AS NOW. -NOTES AND COMMENTS.

The condition of trade remains about the same as last week, extreme dullness prevailing in all branches of the florist business. The cold weather we have experienced for the past three weeks has retarded the sale of bedding plants, and very little has been done in this line. Retail trade in cut flowers has settled down to the usual summer inactivity. There are very few weddings or social events where floral decorations are used, and the shipping trade is very quiet, though many flowers are being shipped out of the city in job lots, often at prices which bring very small returns to the grower. There is a glut of carnations but most of the stock is of inferior quality and extra good carnations are not plentiful.

Roses are considerably reduced in quantity but greatly exceed the demand. Extra long stemmed American Beauties were never so plentiful as they have been this spring. First class flowers on stems from fifteen to twenty inches long are in good demand and bring about the same price as the same grade of flowers on stems from thirty to forty inches long. Extra fine Parrot tulips are in the market, but find slow sale at from \$2 to \$4 per 100. Paonies are now quite plentiful and help materially to depress the prices of roses and carnations.

There will be a large stock of flowers in the market Memorial Day week.

Prices will be about as follows: Beauties from \$1 to \$3 per dozen; common roses, from \$4 to \$6; carnations, from \$1 for common to \$4 for fancy; paronies will be in good supply at from \$3 to \$6 per 100. There will be narcissus Poeticus, tulips and many other cut flowers in abundance

J. Mangle has a window at his store at State and Washington streets beautifully decorated with Cape jasmine flowers, which attract much attention.

J. A. Budlong, the latest addition to the ranks of Chicago's wholesale florists, has his place at 37 Randolph street fitted up in first-class shape and reports business good. He is well pleased with the change.

J. Austin Shaw, salesman for Siebrecht & Son, exhibited a fine sample collection of small palms and ferns this week at Vaughan McKellar & Winterson's,

There are two new florists' stores in town, John Michel having opened at 871 Lincoln avenue and the Standard Floral Company at 2961 Wentworth avenue.

Emil Buettner, of Park Ridge, suffered a loss of about 750 feet of glass by hail Wednesday night. He was insured.

E.H. Hunt, who has been ill for several weeks has so far recovered as to be again attending to business.

A. L. Randall returned Monday from a two weeks' sojourn at West Baden, Ind. Visitors in town: Geo. B. Moulder, of Smith's Grove, Ky., enroune to Omaha: E. Miller, of Polo, Ills., was in the city Thursday and reported business quiet; Fred Holton, of the Holton & Hunkel Co., Milwaukee, returned home Friday after spending most of the week among the Chicago growers.

### Cincinnati.

TRADE CONDITIONS.—THE FLORIST SOCI-LITY'S BEST MONTHLY EXHIBIT.—THE CLUB MEETING.—BANQUET NIGHT IS CHOSEN.

Business shows very little improvement, the only changed condition seeming to be a slight shortening of supply in all lines of cut flowers. Outdoor bulbous stock is nearly exhausted; carnations are coming in faster, but good ones are getting rather scarce. Roses of No. 1 grade sell readily while poorer stock moves very slowly. Plant trade is now at its height and all of the dealers will be kept busy until Memorial Day.

The monthly show of the Cincinnati Florists' Society, held on May 14, was noted for the excellence, if not for the extent, of the exhibits. The City Greenhouses occupied the north side of the hall with a fine display. In their collection were several fine plants of calcolarias in all their rich and varied colors. Some well grown specimen ferns with a group of orchids made an excellent display, notable in which were Cattleya Sanderiana, C. caudatum, Odontoglossum citrosmum and Cypripedium Lawrenceanum. The firm had 100 entries and received sixty-two points.

A. Sunderbruch's Sons exhibited a bench thirty feet long filled with choice plants interspersed with vases of roses and earnations, and also showed some splendid decorative plants, such as Pandanus Veitchii, large specimen plants of Kentias, arecas. Draciena fragrans and araucarias. The Sunderbruch collection received sixtyone points and attracted great attention Of course the orchids were much admired by the fair sex. Theo. Bock, our judge, said during the evening: "Never before has the competition been so sharp as to-day. This was the best exhibition we've ever had," In the evening the regular elub-meeting was held, with a small attendance II Wellman, was elected a mem-ber Pres Witterstactter was authorized to secure suitable medals for prizes. May 25 was selected as the date for the annual banquet. Pres. Witterstaetter caused a vote to be taken thanking outside contributors for their generosity during the past year, also thanking Judge Bock for his valuable services — 11. Schwarz

### Paris.

VIOLET PESTS AND DISTASES AND HOW THEY ARE TREATED IN TRANCL.—SOME INTERESTING EXHIBITS AT LATE MELT 1868 OF THE HORICULTURAL SOCIETY

In my last letter I have given the leading points in violet culture as practiced in the south of France and shown that their cultivation is profitable enough when conducted in the right way. From what I have said your readers must not infer that it is fall gold that glitters, and that the cultivation of the violet has on our side, none of the drawbacks it suffers in your courier. Among the great

est troubles our violet growers have to contend with is the fungus called Phyllosticta viola and the insect pest which we call "tetranygues," (probably Tetranychus telarius, or red spider).

The phyllosticta appears upon the foliage in a small white spot surrounded by a black line which widens rapidly and dries up in the center. It often happens that the affected tissues are destroyed entirely and give rise to round holes of different sizes which seem to have been made with a punch. These holes in getting larger join and destroy the substance of the leaf wholly or in part. The small black points which are often noticed on the dried parts or on the edges of the circular holes are the reproductive spores of the fungus. There is a second form of the mischief, not quite so frequent as the above, in which the tissues become yellow and dry, but do not disappear. Under the influence of special meteorological circumstances the Phyllosticta violae spreads very rapidly and destroys the leaves wholesale in a fortnight. To keep the plants free from the disease, Mr. Belle, professor of agriculture, recommends to try the copper solutions which in his opinion ought to be the more effective as they are used as a preventive.

The tetranychus which attacks the violets is the same which infests nearly all our cultivated plants. By their numerous stings these insects kill the foliage but do not destroy the plants, which after some time produce new leaves for which the same fate is reserved. The plants are of course much weakened through the collapse of the leaves and as the flowers cannot develop in consequence, the crop is nil. It is in spring and in the fall that the pests are most active and their depredations greatest. During winter life in plants is suspended and new leaves cannot easily replace those that have been destroyed; the result is that the flowering, which with the violet takes place at the start of vegetation, cannot be of any importance on plants that have been deprived of their leaves for a long time

A large number of experiments carefully conducted with various insecticides by Messrs. Wimmer and Amie have demonstrated that the following treatment gives the most satisfactory results: 1. Mow the plants immediately after their flowering, taking care to collect and burn all the leaves in order to destroy the eggs of the tetranychus. 2. Apply one of the following emulsions by means of a watering pot, or better, with a sprayer. First formula: Black hard soap six pounds three ounces, petroleum or kerosene same quantity, water twenty and two-thirds imperial gallons. Second formula: Black hard soap nine pounds, petroleum or kerosene same quantity, water twenty and one-third imperial gallons. Four applications should be made at intervals of four days each. 3. Manure the plants well and cover them, if possible, with dry leaves or tree twigs. A better emulsion of the petroleum would be obtained by adding first a little alcohol to the soap. 15 of Belle in preparing the above notes ventures the hope that they will furnish a

complete check of this troublesome pest. At the two last meetings of the horticultural society some very fine plants were shown. One of our florists, Mr. Delayier, Paris, exhibited a dozen white, park and salmon colored carnations which measured hive inches in diameter. These flowers are said to have been stained from seed in the south of France. The other bouguet of the same kind of ear-

basis for future experiment, resulting in a

nation and at least equal in size but darker in color was staged at the meeting of last Thursday under the name of Le Colosse. The flowers shown had long stiff stems and notwithstanding their size were self-supporting. The famous white Souvenir de la Malmaison no longer stands alone and will soon have fitting companions as regards size and color. If the advance continues at such a pace, we shall soon have carnations rivaling the chrysanthemums in size.

Vilmorin-Andrieux & Co. sent in a collection of thirteen varieties of narcissus, among which one of the finest was X. pseudo narcissus bicolor maxima resembling the well known Empress but with a longer trumpet. The same firm had a splendid collection of dwarf calceolaria grandiflora hybrida; fifty-five different alpine plants and a couple of novelties worth mentioning, namely, Primula obconica grandiflora, pure white, making splendid pot plants, and a very dark blue form of Myosotis alpestris of very good habit, quite distinct and handsome. A plant which is also very effective and always attracts a good deal of attention is the Primula cortusoides amouna, of which some charming pots with large dark violet flowers were shown. Unfortunately the colors of this strain do not come true from seed, but the plants are easily propagated by division of the roots. If color is not of consequence, fine plants may be obtained by sowing the seed under glass in December or January pricking the young plants off into a seed bed until they can be set out in a light fresh soil, in a situation with northern exposure. Primula cortusoides amæna is a little tender for the Parisian climate, but when protected with leaves or litter, it sometimes withstands our winters. Of course it is more prudent to pot off the plants in the fall and place them in a heated frame or greenhouse, which treatment insures a good crop of flowers in The plant deserves to be more generally grown and mixed seed including the various colors, ranging from pure white to dark violet or carmine red, ought to be easily had from the seedsmen.

From central France was sent in a collection of large flowering pelargoniums with a very conspicuous new semi-double pure white sort, not yet named, which secured a first-class certificate and well deserved it. Other plants exhibited were a dwarf bright red canna named. General Boisdeltre: a collection of Cheiranthus Cheiri (wallflowers) including the fine dwarf canary yellow (green bud) and another new bright yellow color; a plant of Veltheimia Capensis in full flower; a pot of the quite distinct, curious leaved Viola palmata, with long narrow foliage. This variety however, is not new and has been grown for fifty years as a border plant or a plant for rockeries in pent; a pot of the pure yellow Viola pubescens, a native of Canada. The grower, Mr. Millet seems to pay particular attention to Canadian violets just now.

A very interesting collection of sprays of flowering shribs was also staged, comprising all the different kinds of ribes, prunus, malus, cerasus, cydonia, berberis and some plants of much promise as, Amelan hier lancifolia, with curious white flowers; Cydonia Japonica atrocoecinea plena; Malus Niedzwelliana, with large red flowers, dark foliage and red wood; Berberis dictyocarpa, a remarkable sulphin yellow flowering shrub introduced by Mr. Maurice de Vilmorin; Cydonia cubi a grandiflora.

Parisian.

# The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00, Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

### No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago,

TESTS at the New York Experiment Station show that spraying carnations with salt water is of no value in checking rust, and no benefit could be seen in any way from such applications. The application of salt to the soil was found to be decidedly injurious.

M. Lemoine, of Nancy, France, will send out, soon, several double and semidouble flowered varieties of Begonia semperflorens which he has succeeded in raising. If they retain the vigor of growth and free flowering character of the single varieties they should be very valuable acquisitions.

Mr. C. J. Stromback, of Lincoln Park, Chicago, states that in some experiments carried on under his supervision it was found that a solution of Kraft's Plant Tonic kills the little brown mite which infests Harrisii lily bulbs, and is supposed to be the cause of the trouble which growers have experienced lately with this plant. Poured into the bulb, this remedy, it is claimed, kills the insect in about ten hours, without any danger to the plant.

THE AMERICAN FLORIST has never been given to undignified or misleading editorial attacks. It may, however, with all modesty, invite comparison with any other paper in the trade as to those qualities which appeal to the intelligent reader. In the number and standing of its regular contributors, in the quality and quantity of its reading matter, in the mechanical excellence and pleasing appearance, in the extent of its circulation and in bona fide and paid advertising, in fact, in everything which gives a paper value to its readers, it invites comparison. It stands ready at all times to satisfy any inquirer among its advertisers as to its circulation, which it has often printed and has reason to believe is greater than that of all other papers in this trade com-

# "The Pruning Book."

We have received through A. C. Me-Clurg & Company a copy of this addition to the garden-craft series of Prof. L. H. Bailey, published by the Macmillan Com-pany of New York. The book covers the entire subject of pruning, and is especially complete in its treatment of trees and shrubs grown for their fruits. It is a handy volume, written in the professor's best style, the contents well arranged and serviceably illustrated. The "why and wherefore" of many garden operations will be clearer to all after a perusal of its pages.

### Lawn Grass.

ED. AM. FLORIST:—There has been some difference of opinion expressed here as to whether the grass should be raked off lawns after the lawn mower. I have

taken a stand on the subject and would like the opinion of some of the practical contributors to your journal. I would esteem it a great favor if you would raise the question in the AMERICAN FLORIST, the point aimed at being a good clean lawn independent of the labor involved.

### Cut Flower Price Lists Received.

H. L. Sunderbruch Co., Cincinnati; Ellis & Pollworth, Milwaukee; Bassett & Washburn, Chicago; Kennicott Bros. Company, Chicago.

### Catalogues Received.

J. H. H. Boyd, Gage, Tenn., tree seeds; Wood Bros., Fishkill, X. Y., plants; Schlegel & Fottler, Boston, Mass., bulbs; W. L. Clark, Leamington, Ont., plants and seeds; Ellis & Pollworth, Milwaukee, Wis., plants.

### Greenhouse Building.

Springfield, Ill,-Bell Miller, one rose house, 30x115, one chrysanthemum house 10x115, one carnation house 20x70, one violet pit 6x115, one extension 29x20.

Galena, Ills.-B. F. Vandervate, one greenhouse 18x80.

Toronto, Ont.-John II. Dunlop, two

commercial houses, each 20x400.

Brampton, Ont.—H. Dale, two green-houses each 20x600. R Jennings, one greenhouse 18x100.

### Hail Notes.

The greenhouses of the Junction City Floral Co., of Junction City, Kan., and Wm. P. Ransom, of the same town, and those of A. B. Davis & Son, of Purcell-ville, Va., were struck by hail on the 11th inst. All were insured in the Florists' Hail Association.

On May 14 the establishment of the Humfeld Floral Company at Kansas City, Mo., were reduced to a complete wreck by hail. The loss will exceed \$1,500.

Gus Obermeyer reports a hailstorm which did excessive damage at Parkersburg, W. Va., on May 15, both glass and plants being broken down.

# How to Keep Catalogues.

Everyone knows how handy catalogues are for reference, and also what a nuisance it is to find the one you want when you are in a hurry. I have been studying for years to get some cheap and easy way of keeping catalogues, so I could find any one I wanted quickly, and having found one which fills the bill perfectly for me, am minded to tell the readers of the AMERICAN FLORIST all about it. I first made a number of shelves, one above another, four inches apart and large enough for large size catalogues to lie on them flat.

When a catalogue is received, I number it and put it on the bottom shelf. Then I open my American Florist's Directory OF FLORISTS AND SEEDSMEN to the list of firms issuing catalogues and put the same number before the name of the firm who issue this particular catalogue. Number two is treated the same way and placed on top of number one, and so on until the shelf is full. The shelf is then marked plainly, "Nos. 1 to 25," or whatever the last number may be, and the next shelf is used in the same way.

The catalogues are numbered for convenience on the cover near the lower left-hand corner. When a catalogue is needed, we simply open the directory, which is always left lying on the top of the last catalogue filed, get the number of the catalogue wanted and can pull it out in less time than it takes to tell about it.

B. Jones.

### Society of American Florists. PURCHASING DEPARTMENT.

At a meeting of the executive committee of the Society of American Florists and Ornamental Horticulturists held at Washington, D. C., March 15 and 16, 1898, by unanimous vote, a department of co-operative purchase was created. Its purpose is to secure lower prices by obtaining bids on large quantities of such materials and supplies as are used by the society's members.

The undersigned committee was appointed to carrythis plan into immediate execution, so that present members, or those who join the society may have the benefit which may accrue from this department before the next annual convention, and in this way test its value.

We, therefore, request that you make a list of your probable wants for one year, from April 1, 1898, on all kinds of materials or supplies that you may require, such as glass (state size, quality and thickness of same); pipe, valves, nails, etc. (state kinds and sizes); coal, (state kind and quality); rubber hose (state size and make you perfer); fertilizer (kind and make); tobacco stems. Also a list of any and all other supplies not above enumerated, giving detail as to quantity, quality, make, etc.

As soon as a sufficient number of replies are received, the amount will be collated and estimates will be invited for supplying the same to all members of the Society of American Florists, delivered f. o. b. at factory or some convenient shipping point. Each member of the society will be entitled to his supply of such material, whether large or small, at contract prices. It is believed that a large per cent. upon purchases can be saved to the society's members, especially to the small buyers, as in contracting for large quantities much better prices can be obtained.

Please be prompt in sending us reply, giving a list of your probable wants to April 1, 1899. It will enable the com-mittee to give you more promptly the results of their efforts.

Ермихр М. Wоор, W. W. Coles, W. K. HARRIS, Committee.

All communications should be addressed to William J. Stewart, secretary, 67 Bromfield street, Boston, Mass.

## Springfield, III.

Trade is very quiet at present, as the social season is ended, and the sale of cut flowers is thereby restricted, while the plant trade is not yet opened. All winter business was brisk, and at Easter sales were only limited by the amount of good stock available.

Bell Miller, wholesale and retail dealer in cut flowers, has enjoyed such a phenominal increase in trade that she is nearly doubling the capacity of her establishment at 829 South Second street. She is repainting and repairing everything on the place and is putting in a boiler and steam heating plant. When the improve-ments are completed she will have a model place with a glass area of 20,000 square feet. Miss Miller has been engaged in commercial floriculture for but five years

### Omaha.

PLANS FOR THE S. A. F. CONVENTION IN AUGUST .- BANOUET TO PRESIDENT GUDE AND SECRETARY STEWART.-A BUSINESS CHANGE.

The Nebraska and Iowa Florists' Club met last Thursday evening but immediately adjourned for one week in order to give those present an opportunity to get better acquainted with W. F. Gude, of Washington, D. C., president, and W. J. Stewart, of Boston, secretary of the S. A. About an hour was spent in listening to addresses by Messts. Gude and Stewart before our guests were ushered to the Delone hotel, where a banquet had been prepared. The table decorations were of prepared." Bridesmaid, red carnations, Easter lilies and adiantum. The musicians were in one corner behind a screen of palms, while other plants were scattered about the hall. Those who contributed post-prandial oratory were President Gude, Secretary Stewart, L. C. Chapin, of Lincoln; A. Delanney, of South Omaha; J. F. Wilcox, of Conneil Bluffs, Ia.; Ed. C. Erfling and Lewis Henderson, of Omaha, the latter gentleman reciting his favorite, "The Mission of Flowers.

Mr. Donaghue, Jr., suggested something aside from speeches for the guests and headed the list as a member of the Society of American Florists. This was gratifying to Mr. Stewart, who agreed to sing a song should he obtain ten new names. As the eleventh man gave in his name the song was asked for and Mr. Stewart

responded promptly, singing that popular old air "Annie Rooney."

Those who attended the banquet were: William F. Gude, Washington, D. C.; W. J. Stewart, Boston, Mass.; L. A. Moore, Plattsmouth, Neb.; Henry Peterson, Florence, Neb.; J. F. Wilcox, Conneil Bluffs, Ia., L. C. Chapin, Lincoln, Neb.; A. Delanney, Fred. Berlinghoff and Lewis Henders, Sandy University Edition of the Proceedings of the Pro derson, South Omaha; John Simmons, R. 11. Davey, A. Donaghue, Sr., A. Donaghue, Jr., Ed. C. Ertling, S. B. Stewart, Geo. Swoboda, Ben Haas, Glen R. Hodson, Joseph Chalmers, Paul B. Floth, J. J. Hess and Mr. Adams, superintendent of city parks, Omaha.

The committee arrived in Omaha carly Thursday morning and secured the First Congregational church for the conven-tion in August. This is pronounced the best building the society has ever been able to so are for its annual sessions

Is arr & Davidson have succeeded Rober Inger at the old Parker place, and Lave opened a down town store, with Miss Katie Perker in charge. G. R. H

### Pittsburg.

ODDER OF RAST MEN ARE DOING THE BE Priss of THE SMORY CITY: LATE 140815 - SEM TES DOINGS: LANGRYS

A rise to the market or the majorit. et the thurses' establishments at the der cohar the grover a bedding plant der ich act the grower of bettding plant will do the lock of the business during there is two or three weeks. In Me-ghen, essecially or the west and north-de let their large market building the exception of the very wide paveners or ade value entirely taken up with the dependent learners of blooming heldistrict in the

The relation in the early part of the configurations of Tuesday and Wellis days and well as the relation of th

considered about the right time to begin. The stock grown this year is almost invariably of good quality, much better than in 1897, while the ruling prices are about the same as in late years. The Memabout the same as in late years. orial Day trade gives every promise of being greater than usual.

James Semple, of Bellevue, reports business as brisk with him, especially at the greenhouses, he having a very extensive trade at this season of the year at home. He informs me he has commenced planting out his asters and will put in fully double the quantity he usually does in order to meet the increased demand for the seed, and more particularly in seperate colors.

Langhans & Co. have been getting a goodly share of the business and express themselves as well satisfied considering the condition of affairs at present. They have in addition to their cut-flower trade developed quite a good business in foli-

age plants, palms, etc.

Mr. Rankoff was a visitor with us this REGIA. week.

### Worcester, Mass.

Funeral work has kept down the surplus of stock this week, although flowers are very plentiful and the regular trade is dropping off very rapidly. Trade usually falls off a little just before Memorial Day, but it seems worse this year than usual.

The quality of blooms still keeps up, but prices have a downward tendency. bedding trade is not starting very well and growers who have a large stock of bedding plants are getting anxious. A general slaughtering of prices would not be surprising, though present charges leave a very small margin of

Many growers who contemplate adding to their establishments are hesitating on account of the high price of glass, and quite a few will not build unless prices take a drop.

From all appearances the stock of flowers available for Memorial Day will be much larger than heretofore, with the quality very good. Lily of the valley, Narcissus Poeticus, white lilac and dentzia, field grown, will be in good condition and will help out greatly in designs. The war spirit should have influence on trade and unless popular cuthusiasm runs entirely to flags, florists should profit thereby. A. H. L. thereby.

SAN RALALL, CAL.-H. Schluter reports that never in the past nine years has business been so dull in his locality. Rain fell on May 14 for the first time since early in February.

# SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each inser-tion. Cash minst accompany order. Plant advs. not admitted under this head. Every paid subscriber to the AMERICAN FLORIST for the vent 188 is entitled to a live-line want adv. free to be used at any time during the year.

STILLATION WANTED By a good all round gar Statemer English married no limits, private piece preferred Statewayee II H. HINT, Evanston, III.

STILL CHON WANTED By a practical florist good propagator and designer. In wars experience to take charge. New Fuglind preferred. Address 11. c tre American Florist.

STILLATION WANTED As working foremen or otherwise by good rose grower, also carnathous surfacemens set. English, a new, age 2s, steady is our state wages. G. care Am. F.orlat.

CILATION WANTED By florist young man thoregals understanding all work perialiding to cut the and a setal establishment competent and stance experienced Excellent references Address G.W. care American Fiorist

CITUATION WANTED-By a practical farmer and S gardener: German. 42 years of age, no children Understands his business thoroughly and not afraid of work Address F. J. LAMPERT, Ansonia, Conn.

SITUATION WANTED—By a married man, no family. English, age 28 years; 13 years experience, thorough in all bran hes. Would like to run small commercial place. Wages 8:0 per month.

GARDENER. Floral Park. L. I., N. Y.

STTUATION WANTED-By experienced florist, married (no children) middle age: either private or commercial place; understand rai-ing general stock, greenhouse building and steam fitting. Address FLORIST. 5739 Esston Ave., St. Louis, Mo.

SITUATION WANTED—by June 10th, by practical florist, single, 10 years' experience: roses, carnations, violets, miscellaneous stock, etc.; knowledge of floral work and outdoor bedding. References. State wa es. Address FRANK, care American Florist

SITUATION WANTED as foreman in large out flower growing establishment by a first-class grower of roses, carnail loss, etc.; has been foreman in large places tor pust 10 years; 24 years experience. Best references. GROWER, care Am. Florist.

SITUATION WANTED—As head gardener in private place or public institution. English, 52, widower tone daughter. 25). Thorough horticulturist, fruits, flowers, vegetables, landscape and ornamental work; 4½ years la Golden Gate Park, one year head gardener in present attuation. Best of references, Address, stating wages, etc., G. M. Stratton, Dungeness, Cumberland Island, Fernandina, Fla.

WANTED-Pair Agave variegata 3 to 4 ft. spread.
Address with description and price
VAUGHAN'S SEED STORE, Chingo.

WANTED-First-class florists' wire design worker.
Steady work the year round. Apply with refs.
HOLTON & HUNKEL CO., Box 103, Milwaukee, Wis.

WANTED An energetic foreman, married, for inrge cut flower growing establishment; must be experienced.

METEOR, care Am. Floriat.

WANTED-By June I. A. No. 1 rose grower (American Beauty a speciatty), married man, with good references; tair pay. T.W.L. Englewood, N.J.

WANTED-Gardener, private place, Chicago; palms, orchide, ferns, lawn, garden, firea, cow. Must be competent: attaches. Address Flowers, 622 Riatto Bldg., Chicago.

WANTED AT ONCE-An nll-round good florist, slogie. \$1s to \$20 per month with board and room. 2026 Senate Ave., N., Indianapolts Ind. room.

WANTED-Florist competent to grow good stuff, no roses, caronthons, 'mums, violets and general bedding stock; married man well experienced preferred. State wages required and ability, also refs. CHAS KLOPFER 208 Smithheld St. Philaburg, Pa.

FOR SALE the retail business with greenbouse largestock plants, palms; or exchange, a bargain have other business. Address
11 B. care American Florist.

POR SALE- East of Chicago & Northwestern Rail way, south of Graceland avenue, land suitable for greenhouse purposes at \$25 to \$25 per front foot. F. F. Shidlall, 215 Jansen Ave., Chicago.

FOR SALE OR RENT- Flourishing florist business in western city, including stock and implements. Terms to suit. Good chance for energetic and practical man. For particulars address. M. care Am. Florist.

FOR SALE—Foor greenhouses, nearly new, aplended retail stand, near business center in residence district, on fond to cemetery, paved street. Terms easy. Must retire on account of poor health.

A CLAUS, 503 N. Rth St., Springfield, III.

POR NALE One high pressure Liborae power tubular return steam boller, good as new, used two sensons only: at p escat bents 12000 feet of glass. Price complete, to b., 800 cash; cost \$200. Address J. F. AMMANN, Hox 51, Edwardsville, III.

### FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a lineature. Owner must retire on account of poor health. For particulars write.

A. LEPUNER, Wausau. Wis.

# CHICAGO LOTS FOR SALE.

One block from corner Lincoln avenue and Wellington street, a bunch of lots at \$25 per front foot; sewer and water. Suitable for greenhouse purposes.

P. F. HAYNES & CO.. Telephone L. V. 247. 1004 Wellington St., Chicago.

Mention American Florist.

# For Sale Cheap!

Wholesale Commission Store, centrally located in New York City; well ntted up with every convenience. Change of location, reason for selling.

Addross WHOLESALER, care Enstern Office

# Decoration Day Howers

BUY YOUR STOCK DIRECT FROM THE GROWERS.

We are now cutting from FIVE to TEN THOUSAND TEA ROSES and TWO THOU-SAND BEAUTIES per day, besides a large amount of CARNATIONS, SMILAX, ASPARA-

Address all orders to.....

# Bassett & Washburn.

Send Orders Now for Decoration Day Sales.

# You want this for Decoration Day!

VASE FOR THE CEMETERY

# Clara Cemetery

A RECEPTICIE FOR ELOWERS, LONG NEEDED FOR THE CEMETERY.

The CLARA VASE for use at the Cemetery is a handsome as well as one of the most useful articles ever
placed on the market. It is absolutely a new thing and
takes the place of all the old the cans bottles and various
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takes and thands about twelve incess high. The lower end
is sharp-pointed so it can be embedded about as inches in
the ground and stand firm. It will hold shillent water to
keep the flowers fresh and sweet, and will accommodate
towers with long as well as short stems. The VASE is
bell-shaned and the too has a diameter of about five
inches The VASE is sold at a very low price and is within
the reach of all classes. It is very strong and well made
and can not be broken by rough handfing.

Prices, delivered to rallrosds or express companies in
Chicago:

One Dozen, - - - - \$3.50 Three Dozen, at - - - 3.25 Five Dozen, at - - - 3.00

Samples sent on recelpt of fifty cents (50c) each. These VASES will retail in the market for from 50c, to 75c, each, thereby giving the dealer a profit of over a hundred per cent on his investment.

GUS and VARIOUS OTHER FLORISTS' STOCK.

We have a very fine lot of fancy common ferns and green galax leaves just received.

Don't fail to write for our DECORATION DAY PRICE LIST which will be issued on Friday, the 20th inst. We will ship when possible direct from our greenhouses at Hinsdale, thereby saving the rehandling of the flowers.

nts. Will guarantee them to be as fine as any grown.

|                            | Per 100    | Per 1000 |
|----------------------------|------------|----------|
| American Beauty21g-inch pe | it. \$5,00 | §50,00   |
| 3ridesimids 21             | 3,00       | 25,00    |
| President Carnol212        | 3,50       | 35 00    |

# Bassett & Washburn

Growers of and Wholesale Dealers in CUT FLOWERS

GREENHOUSES AND RESIDENCE: HINSDALE, ILL. Store: 88 Wabash Ave., CHICAGO.

# They Don't Miss

Who take the right course and dispose of surplus stock 🊜 through the advertising pages of 🧀 🏕



The American Florist

IT HAS NO RIVAL.



We are growers and sell at growers' prices.

The White Japan Lotus The finest of all Netumbiums. Flowering tubers, 80c each; \$8.00 per doz. 

AMERICAN LOTUS. \$20.00 per 100.
NYMPILEA MARLIACILE CHROMATILLA 25.00 per 100.
NYMPILEA ODORATA. \$.00 per 100.
NYMPILEA ODORATA ROSEA 25.00 per 100.

All other stock in proportion. We have every Water Lily and Aquatic worth growing. Catalogue free.

GEO. B. MOULDER, Smith's Grove, Ky.

THE "OLD RELIABLE" FOR

WHOLESALE

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.



# E. C. AMLING

# Wholesale Cut Flowers

51 Wabash Avenue,

W. S. HEFFRON, Mgr.

....CHICAGO.

# A. G. PRINCE & CO. **W**holesale Gut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

88 & 90 Webseh Avenue.

Telephone Main 320B.

CHICAGO.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

# S. B. WINTER.

(Successor to WINTER & GLOVER.)

21 Randolph St., Chicago.

# GRADE UU

PACKED RIGHT,

they will reach you in just as good condition as they reach us

WIRE DESIGNS: A Full Line. Write ue for our lilustrated Catalogue.



# Wholesale Flower Markets

| CHICAGO, May 20.                  |               |
|-----------------------------------|---------------|
| Roses, Beautiesper doz75@2.50     | 1             |
| " Brides                          | 1.00@4.00     |
| " Meteors, Bridesmalds, Kalserin. | 1.00 @ 4.00   |
| " Gontlers, Perles                | 1,00@ 3.00    |
| Carnations, common                |               |
| " fancy                           | 2.00 (a 3.00) |
| Marguerites                       |               |
| Narcissus Poetlens                |               |
| Harrisli, Callas                  | 2.00% 5.00    |
| Lily of the valley                | 1.00@ 3.00    |
| Tulips                            | 1.0000 1.00   |
| Sweet peas                        | 50@ 1.00      |
| Tweet peas                        | C 18109 1.00  |
| Gladiolt                          | . 0.0004 5.00 |
| Adlantum                          |               |
| Smllax                            | 10.00@15.00   |
| Asparagus                         |               |
| Pansles                           |               |
| Paronlesper dozen, .25@ .50       | )             |



# Dutch Bulbs

HYACINTHS. TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO., Hillegom, Holland.

American Representative

L. C. BOBBINK, Rutherford, N. J. ASK FOR CATALOGUE.

For FLORISTS.. For SEEDSMEN.

VAN ZANTEN BROTHERS.

HILLEGOM,

# Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

wwWholesale Florists

111 West 30th Street, NEW YORK. Consignments Solicited. Telephone, 260 38th St.

# JAMES

Cood Money for your Flowers. Good Flowers for your Money 49 WEST 29TH ST., NE TELEPHONE 1675 38th St. NEW YORK.

# N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry. Open for Cnt Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

# ROGERS PARK FLORAL CO..

Wholesale Growers of

# FLOWERS.

51 WABASH AVENUE,

-CHICAGO.

HEADQUARTERS FOR AMERICAN BEAUTIES.

WHOLEBALE GROWERS OF



600,000 fELL OF GIASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are Beadquarters for fine American Beauties. Give us a trial and convince yourself. & &

NO MORE ROOTED ROSE CUTTINGS.)

# ROSE PLANTS

| Out of 25 inch pids 1 | her 100 - Per 1000 - |
|-----------------------|----------------------|
| American Beauty       |                      |
| Meteorica             | 2.50 22.50           |
| Bride                 | 2,50 22,50           |
| Testout               | 2,50 22,50           |
| Helle Siebrecht       | ., 2.50 22.50        |
| Perle                 | 2.50 22,50           |
| Pres. Curnet          | 2.50 22,50           |
| Kniserin.             | 2.50 22,50           |
| Bridesimiel           | ., 9,80 90,00        |
| La Fricine            | 2.50 20,00           |

### CARNATIONS FROM SAND.

|                | Per 100  | Per 1000 |
|----------------|----------|----------|
| Flora Hell     | . \$3.00 | \$25,00  |
| Coddinch       | 1.50     | 12.50    |
| Bridesmid      | 1.50     | 12.50    |
| Wan Scott      | (41-1)   | 7.50     |
| Metawan        | 1.00     | 7,50     |
| Empire Workley | . 100    | 7.50     |

We would exposure special attention to our choice Smilax Plant (  $\sim \pm 2.00$  per 100 and \$15.00 per 100a

REINBERG BROS., 51 Wabash Avenue, Chicago. . 4



# M. A. HART. Commission Dealer Cut Flowers. 44 WEST 29TH STREET,

NEW YORK CITY. THE BEST MARKET IN NEW YORK. 'Phone 1307 38th St.

# TRAENDLY & SCHENCK. Wholesale Florists.

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange, Tel. 961 18th Street. NEW YORK CITY.

# THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, II2 and II4 West 24th Street,

Telephone 733-18th. CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

# Wholesale Flower Markets

NEW YORK MOV 19

| NEW TORK, MAY 15.                        |
|------------------------------------------|
| Roses, Beauties. Hybrid 4_00@12_00       |
| " Bridesmaids, Testouts, Brides50@ 6.00  |
| " Morgans, Meteors                       |
| Carnations 75@ 1.25                      |
| Lily of the valley 1 00@ 2.00            |
| Lily of the valley                       |
| Daffodila, Tuiips (outdoor)              |
| llarrisii, Callas                        |
| Smilax                                   |
| Asparagus. 40.00@50.00                   |
| Asparagua 40.00@30.00                    |
| BOSTON, May 18,                          |
| Roses, Beauties, Brunners 5 00@15.00     |
| Notes, nearties, brunners 3 (00@15.00    |
| " Morgana, Meteors                       |
| " Brides. Bridesmaids, Carnot 2 00@ 6.00 |
| Carnationa                               |
| fancy                                    |
| Lilv of the valley 2.00@ 3.00            |
| Daffodils, Tulips (outside) 50@ 1.00     |
| Harrisii. Callas 4 00@ 8 00              |
| Sweet peaa 1.00                          |
| Smilax                                   |
|                                          |
| PHILADELPHIA, May 18.                    |
| Roses, Beauties, per dozen 1.00@ 4.00    |
| " Brunnera                               |
| " Jacqs 8.00@12.00                       |
| " Tens 3 00 a 10.00                      |
| Carnationa                               |
| Lily of the valley 3 00@ 4.00            |
| Longiflorums                             |
| Harrisii                                 |
| Sweet peas                               |
| Smliax 12.00@15.00                       |
| эшпал 12.00/913.00                       |

# LUDLOW ST. PHILADELPHIA, PA

# John I. Raynor,

49 WEST 28th STREET.

\_NEW YORK.

SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE. **Record Breaking Carnations** 

ALL THE YEAR ROUND.

# THOS. YOUNG, JR.

\* \* Wholesale Florist

43 West 28th Street. New York.

WALTER F. SHERIDAN. WHOLESALE

# FLORIST.

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

# ose (irowers

Will find a good market and good returns for their stock at....

JULIUS LANG'S 53 W. 30th Street, - NEW YORK.

Edward C. Horan. 34 W. 29th Street, NEW YORK,

# WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.

Price list on application.

# WM. C. SMITH. Wholesale Florist

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders

Long Distance Telephone 5008 A.

# 9 Chapman Place, 15 Province Street, FLOWER MARKE BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments mouthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

# J. K. ALLEN, Wholesale Florist.

**EXTRA ROSES** 

57 West 28th Street,

Distance Telephone 382-38th St

NEW YORK.

# GALVIN&CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES, 4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

# GEORGE A. SUTHERLAND, Cut Flowers & Florists' Supplies WHOLESALE.

67 Bromfield St..

BOSTON. MASS.

Wholesale Florists

JOBBERS IN

FLORISTS' VASES. Hortlenliural Auctioneers.

84 HAWLEY STREET, . BOSTON.

# JOHN YOUNG, ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock. NEW YORK. 51 W. 28th Street. Price list on application.

# FRANK MILLANG,

WHOLESALE COMMISSION.

408 E. 34th Street,

Cut Flower Exchange.

NEW YORK.

BUFFALO FLORISTS' EXCHANGE IS BURNED OUT.—BUSINESS IS EXCELLENT.—A NEW FLORIST .- COMMENTS.

Buffalo now has another florist in the person of F. G. Liemberner, who occupied a part of the store at 452 Main street with W. A. Adams, and who opened a flower store in connection with his hair store when Mr. Adams moved.

The Buffalo Florists' Club has received

an invitation from President Wm. Scott to meet at his Corfu greenhouses on Thursday, and I am sure a good crowd will go, as a trip into the country is always en-

joyed by city boys.

The florists have suffered because of the war, as several weddings that gave promise of brilliance were hastened by the young men being called out with their regiments. One officer was single, married and separated from his wife in three hours, but in this instance the separation

will, we hope, he only temporary.

American Beauties are being handled very largely by the stores, and good flowers sell readily at \$5 to \$7 per dozen.

Other roses are quite plentiful and are of

good quality.

Fire visited the Tifft block on Washington street on Sunday morning and greatly damaged the stock of the Buffalo Cut Flower Exchange, but Manager Pickelman has secured another store on the same street and will be open for business in a few days. Had the wind been blowing we would have been minus both wholesale houses, as Kasting's store is in the second building from the Tifft block.

E. H. Vick, of Rochester, called on local florists last week.

Marquette, Mich.—Martin Peterson has established a local agency for the Negaunee greenhouses. He has had experience in floriculture in Sweden.



WM. F. KASTING COMMISSION FLORIST....

495 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supolies and Wire Designs



# Vaughan, McKellar & Winterson,

45-47-49 Wabash Avenue,

WE OFFER ALL VARIETIES

# SELECT ROSES and CARNATIONS

GET ORDERS IN EARLY FOR DECORATION DAY. 

J. A. BUDLONG, WHOLESALE GROWERS.

OPEN FOR BUSINESS.

CINCINNATI, May 19.
Roses, Beauties, select.....

37=39 Randolph Street, CHICAGO.

# Wholesale Flower Markets

| medium                                                    |  |
|-----------------------------------------------------------|--|
| " Brides, Bridesmaids 3 00@ 4.00                          |  |
| printes, printesimanda                                    |  |
| Mereora                                                   |  |
| " Perle 3 00                                              |  |
| Carnations                                                |  |
| fancy                                                     |  |
|                                                           |  |
|                                                           |  |
| Lily of the valley 3.00                                   |  |
| Harristi                                                  |  |
| Callas 6.00@ 8.00                                         |  |
| Stocks                                                    |  |
|                                                           |  |
|                                                           |  |
| Adiantum 1 00                                             |  |
| Аврагадиа 50.00                                           |  |
|                                                           |  |
| St. LOUIS, May 19.                                        |  |
|                                                           |  |
| Roses, Renuties 2 00@33 00                                |  |
| " Meteors 1,00@ 4 00                                      |  |
| " Bridea, Brideamaids 1.00@ 4.00                          |  |
| " Peries 1.00@ 1.00                                       |  |
|                                                           |  |
| EN1801111                                                 |  |
| Carnationa 1.00@ 3 00                                     |  |
| Violets, California                                       |  |
| " double35                                                |  |
| Lily of the valley 2.00@ 3.00                             |  |
|                                                           |  |
| Harristi                                                  |  |
| Callas 5.00@ ti 00                                        |  |
| Smilax,                                                   |  |
|                                                           |  |
| MILWAUKEE, May 19                                         |  |
|                                                           |  |
| Rosea Beauties                                            |  |
| Brides, Bridesmaids 2 0000 4 00                           |  |
| rere z uka 1.00                                           |  |
| " Meteors 2 00% 4 00                                      |  |
| Carnations                                                |  |
| Sweet pear                                                |  |
| Valley, Indoor 3.00                                       |  |
|                                                           |  |
| " ontdoor 1 00% 2.10                                      |  |
| T011ps                                                    |  |
| Panetes 50                                                |  |
| Sm(lax                                                    |  |
| Adiaptum 756c I 00                                        |  |
|                                                           |  |
| Tris. Hispanica,                                          |  |
| December 14 to                                            |  |
| BUFFALO, May 13.                                          |  |
| Roses, Beauties                                           |  |
| Brides, Bridesmaids, Meteors 3 0000 fi 00                 |  |
| " Perlea 2 0066 1 00                                      |  |
|                                                           |  |
| Niphetos 2.0064 00                                        |  |
| K.B.INEFIN                                                |  |
| Carnations, white and colored 1 00cc 2 00                 |  |
| Daybreak and fancles 2.00cc 3.00                          |  |
| Elly of the valley 3 100c 4.00                            |  |
|                                                           |  |
|                                                           |  |
| Sourcleaus                                                |  |
| Harristi                                                  |  |
| Prillian   7 (1965)   10 (10   1   10   10   10   10   10 |  |
| Laltpa 2 1063 3 00                                        |  |
| Panish 10s 50                                             |  |
| Variates                                                  |  |
| Smillex 15.00                                             |  |
| Adiantum 1 0026 1.25                                      |  |
| Asparagus                                                 |  |
|                                                           |  |
|                                                           |  |

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via Nickel Plate Road, June 3 to 6 inclusive. \$11 35 for the round trip on certificate plan. Tickets good returning until June 13 inclu-Three through trains daily from Van Buren Street Passenger Station, Chicago. For further information address J. Y. Calahan, General Agent, 111 Adams St., Chi-Telephone Main 3389. (22) cago.

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meeting will be held in Cleveland, O., June 7 to 9 inclusive, account of which Nickel Plate Road will sell tickets at \$t1.35 for the round trip on certificate plan. Dates of sale June 3, 4, 5 and 6 inclusive. Tickets good returning until and including June 13. further particulars address J. Y. Calahan, General Agent, 111 Adams St., Chicago. Telephone Main 3389. (23)

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will come easier, and be more profitable if solicited in the nice way you can do such things by means of

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# TELEGRAPH CODE

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THE San Jose scale has been found on nearly all classes of nursery stock, both fruit and ornamental, commonly grown in northern nurseries.

The New climbing rose Psyche, originated by Messers Paul & Son, Cheshunt, England, is a cross between a Polyantha rose and Crimson Rambler. The flowers are of good size, very double and of a light rose tint.

Arms on young nursery stock can be controlled by dipping the intected tips of branches in a solution of whale oil soap, one pound to seven gallons of water, according to a late bulletin of the New York Experiment Station.

### Utica, N. Y.

As usual at this season of the year, C. F. Baker's establishment resembles the proverbial beehive. Ifound a small army of men scattered about the greenhouses, some attending to carnations and others to roses, while F. Baker, Jr., had theferns in charge. Ferns are one of their specialties and they are preparing at least two hundred thousand for the market. In order to extend their facilities in this special branch, it is quite likely that more glass will be added during the coming

The demand with which Red Jacket and Oneida, the two seedlings introduced during the past winter, have met, surpassed Mr. Baker's most sanguine expectations. In fact, there was not enough stock to go the rounds. I will remark in passing, for the bencht of those who have invested in the seedlings, that with ordinary treatment both will do well wherever planted. A white one is now on the list and may be heard from a year hence.

An experiment worth recording is that of Mr. Baker with grafted roses. He finds that Brides and Bridesmaids grafted on Manetti are in no wise an improvement over young stock on its own roots.

T. E. Shaw is now installed in his new quarters at 217 Genesee street. The store combines all the modern facilities which are essential leatures of modern flower stores

A call on Win. Mathews was a treat, for nowhere, and least of all in a commercial place is there such a variety of orchids in such splendid condition. Next to the Hispanio American quarrel, orchids were the tork of an house. the topic of an hour'z chat, and to hear Mr. Mathews dwell on his favorite subject is to enjoy a discourse the like of which no professional lecturer could give.

Spencer's, as usual, things At 1 C backed spick and span. His cornations and roses are as fine as they are ever grown, while his hedding stock presents a mass of bloom [1] C. Bigelow has no kirk coming? With a fine stock and bright prospects, life, in his opinion, is worth oving. He reports an encourag

ar gr busin ess

Congratulations are now in order and same may be addressed to Alderman Front Baker, fr. Unca, N. V. On April Mr. Baker embarked upon the mattiomal see having been happily married of Miss Pose Weisbecker. The young to Miss Fose Weisbecker. The young couple have but recently returned from a wedding trip to Philadelphia and New Howo

GLENBROOK, CONN.—J. Callahan has removed to this city from Stamford, Conn., and will engage in nursery business as well as commercial floriculture.

Armstrong's

Everblooming

Tuberose & &

A NEW departure in Tuberose growth.
Flower bearing buds continue to form around the old flower stock undefinitely.
Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S.A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November

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# AZALEAS, ROSES, RHODODENDRONS

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# Florists' Stock for Bedding

Alternanthera, Coleus, Geraniums, Pansies, Daisies, Verbeins, Fiichslas, salvia etc., etc. Wite for prices, Florists when in Milwankee are in-vited to look over our stock.

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# EVERGREENS. Etc. 20,000 American Arbor Vitas, 2 to 8 feet specimens

20,000 American Arbor Vitas, 2 to 8 feet specimens and hedging plants.
5,000 Pyramidal Arbor Vita, 2 to 4 feet, 20,000 Compacts, Globe and other dwarf Arbor Vitas, all sizes.
3,000 Nordman's Silver Fir, 1 to 2½ feet, 2,000 European Silver Fir, 2 to 4 feet, 5,000 Hemlock Sprince, 1 to 4 feet, 10,000 Retinosporas, Squarrosa, Plumosa, Plumosa aurea and other sorts, 1 to 5 feet, 5,000 Irish Junipers, 1 to 2½ feet, 10,000 Pines, Austrian, Scotch, Excelsa, White and dwarf varieties, all sizes.
1,000 Enonymous Japonica, 18 to 36 inches, 2,000 Enonymous radicans variegata.
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3,000 English Ivy, strong plants, Prices low, Correspondence solicited.
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# 36 First Prizes out of 39 entries in 1896 and 1897. Peacock's **Prize Winning Dahlias**

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# Clematis strong young plants of the following leading sorts....

Large Flowering,

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F. A. BALLER, Bloomington, III.

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on the market for automatically filling and scaling seed packets.

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### Kansas City.

THE MOST DESTRUCTIVE HAIL STORM ON RECORD DID THOUSANDS OF DOLLARS OF DAMAGE ON MAY 14.

When Kansas City starts in to do anything big, she generally "gets there," and when she started in Saturday last to break the hail storm record she surely did it. Starting at 6:30 p. m. and lasting for twenty minutes the hail paid no attention to mere stones but came down in chunks. A bombardment by a Span-ish fleet could not have been more, disastrous so far as glass was concerned.

At the greenhouses of the E. T. Heite Floral Co., not a light of glass was left and even the sash bars were heaten in. The same thing happened at Humfeld Bros.' greenhouses. Some of their houses were covered with lath screens, but the hail did not stop at a little thing like that. W. J. Barnes has 830 lights of glass left out of 6,490 squarefeet, and the loss of plants was very heavy. Other losses were Probst Brothers Floral Co., \$4,500; James Payne, \$2,000; R. Jarrett & Son, \$1,000; A. F. Barbe, \$2,000; R. S. Brown & Sons, \$4,000. Paul Ducret, at the Union Cemetery, is also a heavy loser. The Baker Bros. report almost a total loss. Chick-Pratt Floral Co. lost about 600 lights. What has made this storm more disastrons is that owing to the bad, cold, wet weather very little of the spring bedding stock had been moved and was still in the houses.

At the place of the Ackerman Bros. their fine new house filled with cucumbers was riddled and the plants were beaten to pulp. They had just finished planting out tomatoes, big bushy plants a foot high, but the hail left no trace of them. lettuce, cabbage, rhubarb, alike being obliterated.

While there was a good deal of small hail the average size was large enough to break any glass exposed to it and the only wonder is that any remains.

Many dwellings, churches, business houses and other buildings suffered very severely, the fine new Manual Training School being especially unfortunate. It is very satisfactory to know that most of the florists were insured, R. Jarrett & Son being the only ones who had not taken out insurance. The Probst Floral Co. had, unfortunately, allowed theirs to expire. Many of the florists were caught in a hail storm last year, among them being James Payne, upon whom this last disasterfalls beavily. His houses were crowded with fine bedding plants, a very large proportion of which are ruined.

The parks met with great loss and Dr. I. M. Ridge's three fine conservatories were completely wrecked. W. J. B.

## Los Angeles, Cal.

Los Angeles decided some months ago to hold the annual Fiesta during the first week in May, but when it became evident that war was inevitable the management of La Fiesta concluded to postpone the

celebration until the return of peace.

A few days ago, Albert K. Smiley presented to the city of Redlands a magnificent building and ample grounds for a public library. The buildings and grounds have already cost \$60,000. The grounds are being rapidly converted into a park, and rare products of the tropics will soon be found growing there. order to stimulate owners to make their home grounds neat and pretty, Mr. Smiley, one year ago, offered a prize of \$250 for the prettiest place. The rivalry was so great, and so many competed, that it was necessary to divide the prize among many worthy places

Thomas Patch, formerly with the firm of Pitcher & Manda, is visiting Los Angeles. He had an exciting experience on the way out, as the train was held np, and two train employes and one robber were killed. Nevertheless, he is favorably impressed with this part of the world and may remain here.

Conrad Ohnemuller, who for several ears has been employed in Philadelphia, has returned to Los Angeles for the benefit of the health of some of his family. His address is 1326 Starr street.

C. J. Hartel, who has been in charge of the Oak Grove Nurseries, at Alhambra, has resigned and gone to San Francisco. George Watson, of Redondo, was in

the city on Monday and said that the supply of carnations far exceeds the demand, and that he expects this state of affairs to continue until cold weather comes again.

Mrs. M. J. Sherman, who conducted a floral store on Spring street during the winter months, has discontinued business for the dull season. Some of the other stores are scarcely paying expenses

E. H. Rust, one of the horticultural commissioners of this county and the principal owner of the Park Nursery Co., of Pasadena, has departed for Illinois with the avowed intention of taking a new partner into the firm. When Ed. comes back his many friends will heartily welcome his bride. D. R. W.

# FOR THE SOLDI

MEMORIAL DAY will be IVI here in one week, and there will be a boom in supplies appropriate for the demands of the day. . . .

Cycas Wreaths, Metal Designs in endless variety, Moss Wreaths, Doves, Inscriptions, Flower Holders for Ceme= teries, Immortelles, Cape Flowers, Bas= kets and Sheaves.

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Every florist will need a big stock of all these things. We can supply these and all other requisites at lowest figures. Illustrated catalogue on application. Wholesale only.

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Stiff, wiry stems. Work up beauutiflly. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

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bouquet green, Moss (sphagnum and green), Laurel Roping, Xmas Trees; everything in the green line

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 ½ or 2-inch size, per 100, \$2.00. Script Letters, \$4. Fastener with each letter or word. Used by leading fiorists everywhere and for sale by all wholesale fiorists and supply dealers.

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# August Rölker & Sons Cape Flowers, Cycas Leaves, Florist Baskets, SUPPLIES.

Send for trade list; also for prices on fall bulbs,

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BRILLIANT GREEN AND BRONZE

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# THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION

JEROME B. RICE, Pres. E. B. CLARK, 1st Vice Pres. S. f. WILLARD, Wethersfield, Coan., Sec.y and Treas.

W. WERNICH, seedsman, of Milwaukee, died last week.

Visiting New York: Albert McCullough, Cincinnati, O.

Connecticut seed growers are drowned with rain again this scason.

C. E. ANGELL & Co., of Oshkosh, Wis., made an assignment, May 6, to George Hilton, of that city.

Visiting Chicago: Theo, Koss, of Mil-waukee: Henry A. Salzer, of La Crosse, Wis., who expects soon to make a western

MISS HEADWORTH, bookkeeper at Vaughan's New York seed store, beams again in her accustomed place, after an illness of three weeks

Titt. Albert Dickinson Co., formerly at 16th and Clark streets, Chicago, have moved into more convenient and commodious offices at West Taylor street and the river.

A COMMITTEE consisting of Messrs, W. Warnaar, L. Van Leenwen and Baart-man passed through Chicago, May 15, en route to Washington to investigate the bulb growing prospects of that state.

THE American Seed Trade Association will hold its sixteenth annual meeting at Old Point Comfort, Va., beginning Tuesday. June 14. A good attendance is expected. Full particulars as to routes, etc., can be had on application to Secretary S. F. Willard, Wethersfield, Conn.

California mail reports the past week indicate that most crops are in a critical condition. Hot winds at this time would be very disastrous, and unless the weather is very favorable from now until August all crops not irrigated will be very uncertain. Hay is now being shipped from the east and the state is liable to use a good many thousand tons before the season is over. As we go to press a telegram reaches us saying that recent rains. May 14th and 15th, may make half a crop of onion seed, but that the sweet bea outlook is but little improved.

### An Important Circular to Seedsmen.

An Important Circular to Seedsmen.

I SITED STATES DELICEMENT OF AGRICULTURE, OFFICE OF HILL SECRETARY.

WA HISGOON D. C., May 10, 1808. The act of Congress making appropriations for the Department of Agriculture for the fiscal year ending. June 30, 1809, under the neading "Boianical Investigations and Experiments, Division of Botany, contains the following clause. The Secretary of Agriculture is hereby authorized to purchase samples of seeds in open market test same, and when found not up to standard he may at his discretion, publish the results of these tests together with the names of the seedsmen by whom the seeds were sold.

The purchase of seeds for the tests authorized under this act will begin July 1, 1808.

The following standards are the basis for the decisions of the Department.

TANTARD OF FRITE AND GERMINATION OF GRICLITERAL FILES

CRECTIFICAL TILES

The seed must be true to name and practically free from sunt—intergot mace a or their eggs or large and the seeds of dodder (Cuacuta apply wild mostard (Brassica apply wild flax (Camelina apple) wild mostard (Brassica apply wild flax (Camelina apple). Fussian thistle—sussola kalitragus), Canada thiste—Card ins argenism—cockle—Agrostemma pithageo chess—dromus secolinus, quack grass (Agropyron repens—peuny cress (Chlaspi argenism) evilet out. Agens fat no and the bulblets of wild onton. All in vineale——It must not contain more than one per cent of other weed seeds.

and should come up to the percentages of purity; and germination given in the following table.

| Kind of seed                | Purity.    | Germina-<br>tion. |
|-----------------------------|------------|-------------------|
|                             | Per cent.* |                   |
| Alfalfa                     | 98         | 85 90             |
| Asparagus                   | 99         | 75-80             |
| Barley                      | 99         | 93-95             |
| Beaus                       | 99         | 90 95             |
| Beet.                       | 99         | 140 150‡          |
| Blue grass, Canadian        | 90         | 45-50             |
| Blue grass. Kentucky        | 90         | 45-50             |
| Brome, awnless              | 90         | 70-75             |
| Buckwheat                   | 99         | 90.95             |
| Cabbage                     | 99         | 93-95             |
| Carrot.                     | 95         | 80.85             |
| Canliflower                 |            | 80-85             |
| Celery                      | 98         | 63 65             |
| Clover, alsike.             | 95         | 75 80             |
| Clover, crimson             |            | 81-85             |
| Clover, red                 | 98         | 85 9)             |
| Clover, white               |            | 75-89             |
| Collaid                     |            | 90-95             |
| Collaid                     | 99         | 90.95             |
| Corn, sweet                 | 99         |                   |
|                             |            | 8,91              |
| Cotton                      |            | 83-90             |
| Cowpea                      | 99         | 85-90             |
|                             | 99         | 85 90             |
| Eggplant                    |            | 75-80             |
| Fescue, meadow              | 95         | 85 90             |
| Lettuce Kafir corn          | 99         | 85-90             |
| Kahr corn.                  | 98         | 85-90             |
| Melon, musk                 | 99         | 85 90             |
| Melon, water                | 99         | 80-85             |
| Millet, common (Chaetochloa |            |                   |
| Italical                    | 98         | 85-99             |
| Millet, hog (Panicum milia- |            |                   |
| Millet, pearl               | 99         | 85 90             |
| Millet, pearl               | 99         | 85 90             |
| Oats                        |            | 90-95             |
| Okra                        | 99         | 80-85             |
| Onion                       | Hil        | 75-80             |
| Parsley                     | (14)       | 70-75             |
| Parsoip                     |            | 70-75             |
| Peas                        | 99         | 90-95             |
| Pumpkiu                     | 99         | 85-93             |
| Radish                      | 99         | 90.95             |
| Rape                        | 99         | S5-110            |
| Rye                         | 99         | 90-95             |
| Salsify                     | 98         | 75-89             |
| Sorghum                     | 98         | 85-90             |
| Spinach                     | 99         | 75 80             |
| Squash                      | 99         | 85-90             |
| Timothy                     | 98         | 85-90             |
| Tomato                      | 98         | 85-99             |
| Turnip                      | 99         | 90-95             |
| Turnip<br>Tobacco           | 98         | 75-80             |
| Vetch, hairy                | 98         | 70-75             |
| Vetch, kidney               | 95         | 85-90             |
| Wheat                       | 99         | 90-95             |
|                             |            |                   |

It will be the aim of the Department of Agriculture in carrying out this law to put a stop to the sale of seed so poor as to make probable a positive injury and loss to the purchaser, thus giving protection on the one hand to the farmer and gardener, and on the other hand to the honorable seedsman and seed dealer.

The purchase and testing of the seeds will be carried on under the supervision of the Botanist of the Department, Mr. Prederick V. Coville, and in the immediate charge of Mr. Gilbert H. Hicks, Assistant Botanist.

Seeds showing a test as high as these standards

in the immediate charge of Mr. Gilbert H. Hicks, Assistant Botanist.

Seeds showing a test as high as these standards are considered of high grade. Seeds falling five points below the standard in purity, or containing an appreciable amount of the prohibited seeds or more than one per cent of other weed seeds, or falling twenty points below the maximum percentage in germination are, in general considered unfit for sale as first-class seed, and if sold as such the results of the tests are hable to publication. Furthermore, if seeds sold as of lower grade are found to contain a large amount of weed seeds or show a very low germination, so as to render them practically valueless or seriously murious, the results of these tests also are liable to publication. It is recognized, however, that in certain cases, as in highly bred varieties or growth and harvest under unfavorable seasonal conditions, seeds may show a germination lower than the normal, and due allowance will be made.

JAMES WILSON, Secretary. JAMES WILSON, Secretary.

'Impurity allowed refers to inert matter and one per cent (only) of weed seeds other than those practically prohibited, as above noted, (Each beet fruit, or "ball," is likely to contain from 2 to 7 seeds—One hundred balls should yield

1.0 sprouts
This means purity of grain, not purity of stock
A margin of 40 points is allowed in the clovers
One of crimson clovert, grasses and carrot.
A margin of 50 points is allowed in beet, and
only 15 points in the bluegrasses.

Manufacturers and Dealers COTTON SEAMLESS, BURLAPS, ETC. SECOND HAND BAGS BOUGHT AND SOLD. CINCINNATI BAG CO. Second and Walnut Sts.. CINCINNATI. O.



RAFFIA BEST QUALITY.
LONG
MADAGASCAR
Notwithstanding
the higher market on this item I am still offering
at the old figure so long as present
stock lasts. stock lasts

ceive the same careful attention.

Grafting Wax

Trowbridge's Celebrated Grafting
Wax, the genuine article, 1 lb. bars
at 19c; ½ lb. bars at 20c; ½ lb. bars
at 21c per pound. Rebates: 10 lb.
lots, 5 per cent: 25 lb. lots, 10 per
cent: 50 lb. lots, 15 per cent: 100 lb.
lots, 20 per cent. Address all orders
and correspondence to Juniper and
Walnut Streets, Philadelphia, Pa.

G. C. Watson, Seedsman.

# 



TRY DREER'S GARDEN SEEDS.

Plants, Bulbs & Requisites.
They are the best at the
lowest prices. Trade List issued quarterly, mailed free
to the trade only.
HENRY A. DREER,
Philadelphia. Pa

# BURPEE'S **SEEDS** PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners ------

# CLUCAS & BODDINGTON CO.

Importers and Exporters of

# Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST., NEW YORK CITY Send for quotations on all Florists' Bulb Stock.

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"ENGLISH" MELONS
(FOR FORCING)

FLOWER SEEDS FOR FLORISTS

WEEBER & DON, Seed Merchants and Growers, 111 Chambers St., NEW YORK, N. Y.

It is good to mess policy to mention the

### ....AMERICAN FLORIST

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# DECORATION FLOWERS

FLORISTS
HAVING A SURPLUS
OF FLOWERS
OF
ANY KIND
CONSIGN TO
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# In Abundance!

All leading varieties of Roses, Carnations, Paeonies, Lilies, Sweet Peas, Tulips, Lilac, Valley, Daisies, Gladioli, Mignonette, Narcissus, Pansies, Asparagus, Smilax, Ferns, Etc., Etc., &

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EARLY
AS
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# VAUGHAN, MCKELLAR & WINTERSON,

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# FALL BULBS, AZALEAS, Etc.

Our advance IMPORT LIST is now being printed and will be ready next week. It you have not yet placed your order for this stock it will pay you to await our prices; we can save you money.

# FOR IMMEDIATE DELIVERY SURPLUS BARGAINS

> Also a good stock of Caladium Esculentum, Begonias, Gladiolus, etc., at close prices ......

# VAUGHAN'S SEED STORE,

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——HEADQUARTARS FOR——

"FANCY" BULB STOCK AT REASONABLE PRICES.

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I T will pay every florist to get our prices on Romans, Harrisii, Longiflorums, Valleys, Hyacinths, Tulips, Azaleas, etc., etc., before closing contracts. Our reputation for high grade stock is well established. Our facilities for handling orders promptly are **the best**. (Our new quarters, 161 to 163 E. Kinzie St., six floors, 40x100 ft., give us ample room and every convenience for quick dispatch of your commands.)

Special Low Prices on Tuberoses, Gladiolus, Cannas, etc., etc., to close out

PURCHASING DEPARTMENT for florists saves you money on Glass, Pipes, Tools, etc. Service free to florists. Write for particulars.

# W. W. BARNARD & CO.

161 to 163 E. Kinzie St., CHICAGO, ILL.

# Beerhorst... & Van Leeuwen

GROWERS SASSENHEIM, HOLLAND.

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AND PLANTS FOR AMERICAN MARKET.
Ask for Wholesale Prices.

We will stay in America until May 21st. Please address letters to

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HAERENS BROS.
From SOMERGEM near Ghent, Belgium

SPECIAL Growers and Exporters of Azaleas, Palms, Arancarias and other decorative plants, take pleasure to inform you that their Mr. Aug. HARRENS is now on his annual visit through the United States. The stock he offers is immense, of best quality and at most reasonable prices. Their New Azaleas will be the favorites of the luture. Write for price list and special offer.

AUGUST HAERENS CARE OF ... VANDERGRIFT CO.
66 Beaver St., New York City.

# The American Florist Company's Directory

NEW EDITION. PRICE \$2.00.

AMERICAN FLORIST COMPANY, 324 Dearborn Street, CHICAGO.

### Duluth, Minn.

Ed. C. Lindsay, the Lakeside florist. reports an excellent spring trade, and at present is disposing of a surprisingly large number of pansies. Of three lots which he planted out he finds that the May 1. The first lot was planted the day after Easter, in a fine dry soil in a sheltered situation, but did not make as good roots as desired. The second planting a few days later were somewhat better. Mr. Lindsay believes that too much watering is frequently responsible for lack of success in pansy growing. He is regarded as authority on floriculture in Duluth and conducts a department in the Herald in which he gives expert cultural

# Asparagus Sprengeri

From 2-inch pots, good stuff, per 100, \$5.00 .....

stuff, per 100, \$5.00.....

Ficus Elastica, true, large leaf variety, 6-inch bots, 20 tuches high a 50c each.

Crimson Rambler Roses, extra fine, bushy plants, in 4-inch pots, will soon bloom, per dozen, \$2.00; per 100, \$15.00.

Cycas Revoluta, dormant stems, size from 3 to 10 lb. (a 15c per lb.

Clothide Soupert, the great pot rose, our stock is A No. 1, 2-in, as \$3.00, 242-in, as \$4.00; 3-in, as \$6.00, 242-in, as \$4.00; 3-in, as \$6.00, per 100.

Oahlias, 242-in, pot plants, in named varieties, per 100, \$5.00.

100, \$5.00

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz., \$1.50, per 100, \$12.00.

For Cannas, Carnations, Chrysanthemums, send us your list; we have all kinds.

H. P. Roses, dormant, 2-year extra fine stock @ \$12.00 to the per 100.

\$12.00 per 100.
Clematis, Ampelopsis Vertehi, Hollyhocks, Paconics Hydrangens P. G., etc., we have in large quantities; write us for prices.

# **VAUGHAN'S SEED STORE**

Creenhouses: CHICAGO: Western Springs, III. 84-86 Randolph St.

# Good Stock! Low Prices!

CANNAS strong plants of Alphonse Bou-nale Pauf Marquant. Win. Elhott Bisson, See Stewart I lumboyant, \$4.00 per 100; \$5.00 per 1000.

COLEUS Crimson Verschaffeltti, Golden per 100, 218 (0) per 10(0).

Geraniums Bonths Gen. Grant and S. A. Nutt. 20 y-linch pots. §3.00 per 100.0 extra good. 1-linch pots. §7.00 per 100.0 gr. 100.0 per 100.0 Cobica Scandens, 1-linch pots. 96.00 per 100.

JOHN SCOTT,

KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

Cattleya Trianæ and C. Labiata, also Odontoglossum Crispum and Oncidium Varicosum Rogersii.

LAGER & HURRELL, Summit, N. J.

# 2000 Smilax

First class 3-inch stock, \$2.50 per 100: \$20 per 1000.

THE E. HIPPARD CO.,

......YOUNGSTOWN, OHIO.

# Latania Borbonica

4-Inch, very time, with 2 character leaves, \$12.50 per 100; \$120.00 per 1000.
3-Inch, very time, with 1 character leaf, \$10.00 per 100; \$20.00 per 1000.

# Lemon Verbenas

Sinch, fine (old) plants......\$5 00 per 100 4-inch, fine (old) plants...... 6.00 per 100

# **Rooted Cuttings**

Lemon Verhena... \$1 per 100; \$8 per 1000 Salvin Splendens, dwarf, \$1 per 100, \$8 per 100, \$0 per 100, \$0 montlowers, la Jadoo extra, \$1.50 per 100 Coleus Golden Bedder, Nel·le Grant, Autumn Glow, 75c per 100; \$6.00 per 100, Alternantheras, yellow, from soil, 35c per 100; \$3.00 per 100, \$3.00 per 100.

# Smilax Seedlings

Fine, from Jadoo, 35c per 100; \$3 per 1000

# MOONFLOWERS

212-inch pots, strong ......\$4.00 per 100

# Critchell's

Cash with order, please.

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ARECA LUTESCENS

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ASPARAGUS PLUMOSUS

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REGLINATA 1.50 12.50 35.00

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PORT CRAIG & SON

ROBT. CRAIG & SON Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA 

# **Rose Hill Nurseries**

L ARGEST Growers of Palms, Orchide, Stove and Greenhouse plants, Ferns, Visuearnes, Pandams

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

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Rothschild, Hawkeri, Interruptum, Evansin-num, Rubra Lineata, Andreanum, Aurea Mac-ulatum and others, suitable for bedding. Pine plants in 3-inch pots, \$2.00 per doz. New and rare varieties, 50 cents and. Aurea Maculatum, extra fine plants in 4-in. pots, \$2.50 per doz.; \$15 per 100; 3-inch pot plants, \$2 per doz.; \$12 per 100; thumb pots, \$1 per doz.; \$6 per 100.

### Edwin Lonsdale.

Money Order Office, Station H, Phila.

Florist.

CHESTNUT HILL, PHILA., PA.

HERE WE ARE 4 Weeks FOR

FIRST COME, FIRST SERVED.

FUCHSIAS in assorted varieties, double, Single, 2-la.... HIBISCUS in assortment, single and double,

Rhynchospermum Jasminoides, 2-la. SMILAX, good strong plants, 2-ln..... 2.00 2000 MOON VINES, strong plants, 2-in...

NANZ & NEUNER, LOUISVILLE, KY.

# STRONG STOCK TO POT ON NOW.

GOOD HOPE, - WASHINGTON, D. C.

Offers clean well rooted plants as below:

Per 100,
Areca Lutescens, 2 ft. thick, 4-inch. \$25,00
Orange Trees. 2 ft., full of green fruit, 5-in. pots. 25,00
Pheenix Reclinata, 4-inch pots. \$5,00
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Per 1000 by exoress.

Oreodoxa Regla. 5-inch, 3 in a pot. (Royal Palm)
3 to 4 feet high \$8,00
Pheenicophorium Seciellarum, 4-inch, nice plants
of this rare palm. \$8,00
Nephrolepis d, furcans, 5-inch, extra large. \$6,00
Pandanus Utilis, 5-inch, extra large. \$6,00
Well packed. Cash with order.

Asparagus Sprengeri

50,000 Plants in 2%-inch pots, \$5,00 per 100, express; 24 for \$1,50 by mail. Specimens for 8-inch pots, \$6,00 to \$12,00....

A. Blanc & Co.

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Sprengerii \$5 00 per 100 Seedlings

American Rose Co., Washington, D. C.

Everybody is more pleased if you say "saw your ad, in the American Florist" when writing.

# KENNICOTT BROS.

# Wholesale Cut Flowers

**SPECIALTIES** FOR DECORATION DAY:

Cape Jasmines **Pæonies** Poets'Narcissus Gladiolus

AND ALL SEASONABLE **FLOWERS** 

LONG DISTANCE TELEPHONE EXPRESS 466...

AND Florists' Supplies

88 Wabash Avenue, CHICAGO.

ROOMS 22 AND 23.



# ongiflorum (Specially grown for Decoration Day .....)

SEND ORDERS EARLY.

\$1.00 per dozen; \$7.00 per 100.



DON'T FORGET WE HANDLE ROSES & CARNATIONS IN QUALITY AND QUANTITY.

After May 27 we can supply extra large plants of Bougainvillea glabra (?) and glabra Sanderiana, these are in 8 to 12-inch pots and now in full flower, which will be cut this coming week. These plants can have all the soil shaken off and be shipped at proportionately low cost. Write for prices.....

THEO. F. BECKERT, GLENFIELD, PA.

We mail 7 plants of above for \$1.00. Please credit Am. Florist if you order from this adv.

ARECA LUTESCENS

3 plants, 5-in. pot 18 to 20-in. high, per 100, \$40,00 3 plants, 10-in. pot, 48 to 50-in. high, each. 4.00 3 plants, 8-in. pot, 40 to 48-in. high, each. 2.50

**COCOS WEDDELIANA** 

KENTIA BELMOREANA

2½-in., 3 leaves, 10 to 12-in. high, per 100. \$20.00 3 in., 4 or 5 leaves, 15 to 18-in. high, per 100. 25.00 5-in., 4 to 6 leaves, 20 to 24-in. high, each... 1.00 All measurements from top of pot.

JOSEPH HEACOCK, WYNCOTE, PAL Mention American Florist when writing.

CAN YOU USE ANY

THE F. R. WILLIAMS CO.
WHOLESALE FLORISTS
AND SHIPPERS OF CUT FLOWERS
60 Huron Street, - CLEVELAND. O.

# FOR DEGORATION DAY

# **And School Closing**

Flower Baskets, Wire Designs, Wheat, Doves, Immortelles, Tin Foil, Paper, Sphagnum, Green Moss, Stakes, and in short, "All Florists' Stock in Season."

At Bottom Trade Prices.

Cannas...

Started Plants in

VAUGHAN'S SEED STORE,

84 AND 86 RANDOLPH ST.,

CHICAGO.

Fresh Seeds of Kentia Belmoreana and Forsteriana by the case of 5000 Seeds received direct from Australia. Price \$17.50 net cash, F. O. B. New York. Prices for large quantities on application.....

Australian Palm Seed Co.

ROOM 52. 34 34 34

90 Nassau Street, NEW YORK.

# American Beauty and other Rose Problems.

ED. AM. FLORIST:-I would like your advice on running a house of American Beauties a second year in shallow benches. How shall I treat them in houses 20x100. short span to the south, benches on each side of the aisle 312 feet wide with walks 2 feet wide next to the walls? What distance from the glass should the benches What distance from the bottom of the benches should the steam return pipes be. I have been troubled this season in houses built as I have stated, in each of which there is a 2-inch supply pipe over-head and five 1-inch returns under the extreme outside edge and 2 feet below each bench. The back two rows of plants have seemed to suffer from too much X. Y. Z. heat.

So far as my experience and observation goes I should say that the few attempts made at carrying over to the second year American Beauties on shallow benches has been anything but satisfactory, and for that reason I do not advise trying it on a very extended scale. The reason we have not been more successful may be attributed to our ignorance, perhaps, rather than to the variety Experimenting with carried-over itself. Beauties, I have allowed the plants a short season of rest, and then have lifted, pruned, and replanted in fresh soil, and usually all through the fall they would look fine, but they did not hold out through the winter, the tendency being to produce nothing but quantities of short stemmed blooms. It may be that they would do better if simply ripened off, as recommended for other roses, for a month or six weeks during the latter part of June and July, pruned, and instead of lifting, given a liberal top-dressing of fresh soil and started up slowly the same as with a house of hybrid roses. The description given of the arrangement of the benches and piping does not leave the matter very clear. If the benches are only 312 feet wide there must be at least three of them in a 20-foot house, otherwise too much space is given up to walks. A house of this size should allow three benches each I feet wide, two paths on the sides 2 feet wide, and two center paths 18 inches wide. The south bench paths 15 inches wide. should be not more than 2 feet from the ground, the center one 21g feet, and the north bench 3 feet. For American Beanties the glass should be not less than 51g feet from top of bench. The arrangement of the steam pipes could easily be im-proved upon. In the first place, it is a mustake to run a steam main overhead in any rose house, unless it is carried away up near to the ridge, and in that case the heat which it gives off will be lost head steam pipes are unsightly, they ob struct the light, and are a nuisance gener alls like a magnet they attract the opening bads only to destroy them, and worse than all they create an atmosphere. close to the foliage in which red spider revels. I would advise putting the main as well as the returns under the benches. Do not have them in bunches of five they should be spread out evenly all terough the notes some under each beach and about so inches from the gr and. It is a mi-take to have all the p ping on the sides of the house as it sometrales recommanded, unless the house is very narrow indeed, any novice can see that outh such an arrangement it will be in possible to have the same tem perature an through the house on a ver-cald raght the points near the pipes will be allow transfed before the hot air can

be driven into the center. I believe that eight pipes properly arranged will do better work than will ten of the same size when hung on the sides of the house. ROBT. SIMPSON.

### Madison, N. J.

The Morris County Gardeners' and Florists' Society held its usual monthly meeting in Masonic Hall on May 11, with President Duckham in the chair. Three of Mr. Tilden's rose men, W. Conley, J. Dervin and P. Redding, were proposed for membership. This will bring

our family number to sixty.

The florist side of our house is keen on the value of co-operative purchasing of supplies. Some time ago a committee was appointed to look into the scheme, and interview all members desirons of participating. P. Conley, as chairman of that committee, reported that they had met with every encouragement, and hoped to have the matter on a substantial working basis by next meeting.

The monthly exhibition committee reported the completion of the schedule, which was read, discussed and adopted. It was decided to award to each successful competitor at the end of the year a silver medal bearing the society's coat of arms. A. Herrington moved that the exhibits at each meeting be divided between All Souls and Memorial hospitals, Morristown. The motion was carried unani-mously. John Davis delivered a most interesting and practical paper upon the "Cultivation of the Gloxinia," having fine specimens on hand to exemplify the process advocated. The subject was well received and much discussion followed, a sincere vote of thanks being tendered Mr. Davis for his carefully prepared essay. Mr. Duckham exhibited a beautiful collection of flowering shrubs; A. Herrington, wild flowers; J. Robertson, glox-inias; C. II. Atkins, megaseas and tulips.

A few varieties left; the 212-meh forcing stock.

BRIDE \* \* \* ) \$2.50 per 1000 BRIDESMAID | \$20 per 1000

AM. BEAUTH S, \$5,00 per 100; \$45 00 per 1000 Cash must accompany all orders.

The Exotic Nurseries

J. B. HEISS, & DAYTON, OHIO.

# ROSES

OWN ROOTS.\* DORMANT .\*.\* FIELD GROWN

IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feet, cut back to 2 feet Yellow Rambler (Aglaia) Hybrid Perpetuals,

Mosses, Hardy Climbers and Madam Plantier

Occupants or ser, strong and well shaped on apple atom. Address

W. L. HEIKES, Manager,

CHICAGO, ILLS. 130B-1310 Unity Bldg., -

ROSES HRIDES AND BRIDESMAIDS.

R. ROY DAVIS, MORRISON, ILL.

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NEW PINK FORCING ROSE

Winner of 6 certificates, medal and silver cup. §3.50 per doz., §25.00 per 100. A fine stock of young chrysanthemums and car-nations. Send for trade list describing nations. Send above in detail.

H. WEBER & SONS, Oakland, Md. 

FROM 2 1-2 INCH POTS.

Strong, thrifty, well established plants. General price \$4.00 per 100. Extra fine lot of Crimson Ramblers.

Jackson & Perkins Co. NEWARK, NEW YORK.

# ROSES..

2-in. per 100 3-in. per 100 \$5.00 Am. Beauties ... Perle . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

# Memorial Rose

(Rosa Wichuriana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON.

MORRISVILLE, Bucks Co., PA.

# 2-YEAR-OLD ROSES

from 4 in, pots in variety, \$6.00 per 100. CARNATIONS, \$2.50 per 100 from 2\(^1\_6\) meh parts, Scott, Portia, McGowani also all young roses and general stock

THE NATIONAL PLANT CO. DAYTON, OHIO.

# Do You Need Young Rose Stock

for planting, out of 3-in, pots? A dollar more on the hundred is nothing if you get better stock. Send bitc or \$1.00 in stamps for samples of what you want to

Mention this paper.

GEO. A. KUHL,

# Do You Plant Beauties?

Am. Beauties, 3 inch at \$5.00 per 100 Not cullings, but clean, strong, well grown stock and guaranteed free from all disease.....

A. DONAGHUE,

10B S. 16th Street. OMAHA, NEB.

ROSES Strong healthy plants from 2, 2% and 3-meh pots at \$3, \$4 and \$6 per 100. Perle. Sunset, Brides and Mids, Gontier, Pink and White La France, Siebrecht 100. Cofens and Verbenas, \$2.50 per 100; \$20 per 1000 IRISH JUNIPERS for transplanting, well rooted a to tanches. Sample and prices on application

JOSEPH BEINL, Jacksonville, III.

# AMERICAN BEAUTY

Fine young plants, healthy and trace, 22 y-inch puts, \$8,00 per 1000 +70,00 per 1000.

ICD WIN LONSDALIC,

Wyndmoor, Chestnut Hill, with order PHILADELPHIA, PA. Money Order Office, Station II, Phila

### Cleveland, O.

There is some business doing but there are always plenty of flowers to do it with, and some to spare, except in the case of carnations, which often run short, especially when dependence is placed upon local production to supply the demand. A good many growers have either thrown out their stock or, if not that, their crop is not yet fully in. Roses are plentiful, although the sun is beginning to affect their size. Sweet peas are in abundance and sell very well.

Acting upon the petition of Thomas Callahan, Judge Dissette has named Thomas Kelly as receiver for Erhardt & Co., florists, at 341 Prospect street. Callahan alleges that he went into partnership with Laura E. Erhardt on condition that each should put in \$500. He declares that he put in his money but that she did not; that she took charge of the business and from it has made a good living for herself and family, while he has received nothing on his investment. He asks the court to settle up the business and return him his \$500.

We were honored lately by a flying visit of President W. F. Gude and Secretary W. J. Stewart, of the S. A. F., who were returning from Omaha, where they had been to look the ground over in preparation for the annual convention in August.

### Plant Labels.

Every gardener has been annoyed times without number at the loss of the labels of valuable plants by reason of the rotting away of the thin wooden labels ordinarily used, or of their becoming illegible. Nearly all of the indestructible labels in use are either expensive or require too much time in preparation.

For cheapness and convenience combined we have found nothing so good as sheet zinc cut to the proper form, using a chemical ink for the writing. The ink is made by dissolving a few crystals of chloride of cobalt in water, and can be used with a clean steel pen. The writing is allowed to dry without blotting and makes an indelible black stain. Labels of this kind have been buried in the ground for over four years and remained perfectly legible. These labels can be attached by tacks or copper wire to orchid cribs. They can be bent into hoop form and forced down to "straddle" the edge of a pot, or can be used with the seed, inserted in the soil as an ordinary label. For out-door use they can be attached to a piece of heavy wire; telegraph wire answers nicely. The wire is forced into the ground leaving the label suspended or lying on the ground or buried in the ground, as desired.

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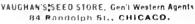
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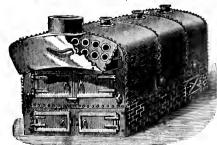
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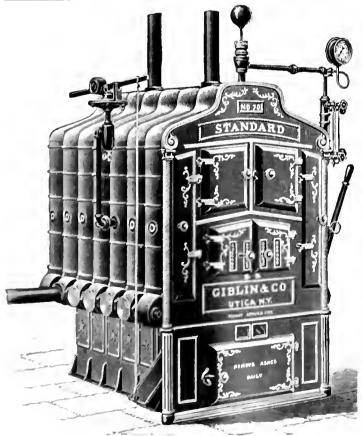
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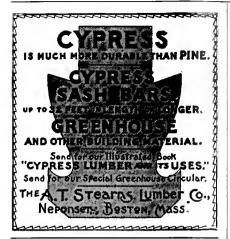
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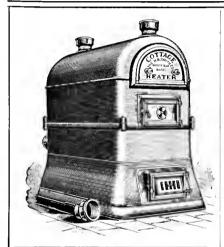
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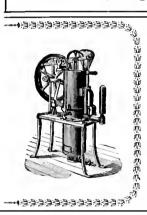
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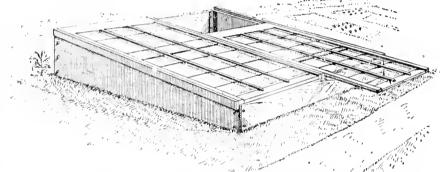
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Vol. XIII.

CHICAGO AND NEW YORK, MAY 28, 1898.

No. 521.

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THE AMERICAN CARNATION SOCIETY. Annual Convention at Philadelphia, February, 1899.
ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA. Annual meeting at Omaha, Neb., August, 1838. ELMER D. SMITH, Adrian, Mich., secretary.

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WARSAW, IND .- Louis Lentze has restocked the Lakeside greenhouses with the finest assortment of plants ever shown in Warsaw.

DETROIT, MICH.-August Kulschke, 68 years old, was caught at four o'clock in the morning of May 18 while carrying bedding plants stolen from a West boulevard mansion.

WEST BROOKFIELD, Mo.-Samuel Wass, well known as a florist, made his debut in operetta on May 18. The entertainment was given in the town hall and was a great success.

#### Herbaceous Plant Notes.

The month of May brings out a great number of showy hardy flowers and the borders are becoming more interesting every day. Where mixed borders have been planted judiciously, spring bloomers evenly distributed among the summer and fall flowering subjects, there will be no lack of cheerful and lively effects from now on. The early flowering material to draw upon is so very large that any soil, situation or exposure may be suited by proper selection. High dry ground can be made a success as well as the low damp places, and between the two extremes we may plant almost anything without discrimination, though some of the plants will require the protecting shade of their taller neighbors in midsummer, and therefore a knowledge of their special requirements is indispensible, for if we should place the helianthemums. for instance, in a shady nook we could not reasonably expect them to bloom with the same profusion, nor would their growth be so compact as when planted in a fully exposed position.

Among the many things in bloom at present I may mention the grand Doronicum plantagineum excelsum with its large well formed daisy-like yellow flowers; it is a most profuse bloomer and lasts for a long time, often maturing another fair crop of flowers toward or late in the fall. This is the tallest of the doronicums to my knowledge; under favorable conditions old clumps may attain a height of three and a half to four and a half feet, but in ordinarily good soil we seldom see them more than three feet high. Daphne cneorum is fully ont with its numerous bright pink flower heads, which are deli-cately fragrant; it does not really come under the head of herbaceous plants, being hard wooded and shrubby, but is in general use in all borders of any pretension. The plants spread out, but never grow tall with age. Propagation is effected by cuttings of the half ripe wood or by layers; it is slow work at best unless you have numerous large old stools to work from. The plants furnish a full crop of flowers regularly every spring and early summer and then bloom off and on, but more sparingly, up to late in autumn. Viola cornuta has started to blossom quite profusely. The blue varieties are used in many sections in place of violets when the latter are past, and though the flowers of the horned violet are a trifle larger than the best of our single large flowering sorts, and more pansy-like in shape, they answer admirably for the purpose. When planted in slightly moist ground and partly shaded from the hottest sun, we may pick flowers from them continuously until fall, but in a dry and very sunny exposure they will stop blooming during the hot weather in July and August. The pure white variety is equally desirable, and all are excellent plants for the border when slight shade can be provided for them, otherwise they are only effective in the early part of the summer and again in autumn.

The various kinds of trollius are very conspicuous at present with their bold globular yellow flowers. T. Europæus is pale yellow and the stems generally grow about one and a half feet high in ordinary garden soil; the flowers are very lasting. The plant is well worth growing for cutting, as also is the deeper colored T. Asiaticus, which in other respects resembles the first named. A variety which we received from a European grower some time ago under the name of T. giganteus has larger flowers and is a vigorous grower. The earliest lychnis with us is the elegant L. alpina, only about six to eight inches high, but well set with a great number of its many flowered bright pink flower heads. This useful plant is not met with very often, though easy to grow in dry and sunny places, while moisture and dense shade is detrimental to its welfare. It forms a nice little compact tuft of small narrow foliage and is evergreen; the flowers will last well into summer and the plant looks neat and clean throughout the year. Linum perenne is coming on fast; its lovely blue saucer-shaped flowers are very numerous every morning, but they close up after midday or when it rains, only to reopen again in the same profusion the following day. Its habit is graceful, light and airy, stems thin and wiry with narrow short linear leaves; the flowers are of no use forcutting, but no flower border should be without a few of these plants; they are always satisfactory and require no special care, doing well in any position if not too densely shaded, attaining a height of about one foot.

Stellaria Holostea, with a profusion of starry pure white flowers is conspicuous on the rockery and in the border; its densely matted growth hides the ground at all times and the flowers are freely produced in succession for about two months in spring. Armerias in a half dozen varieties are out too, mostly pink shades, a few whites among them; we can ill afford to do without any of them, for all have distinct and desirable qualities of their own. Iris pumila alba, with pure white standards, and I. pumila aurea are somewhat later with us than the blue varieties, but are well advanced now; both are valuable in the border, especially the last named, the color being a very deep golden yellow and the flowers per-

feetly shaped; growing a little taller than the early blue, they are used extensively as cut flowers. Uyularia grandiflora with its long pendulous pale yellow flowers, which are kept in constant motion by the slightest breeze, is an interesting object when planted in large elumps; young plants with two or three stems are pretty, but do not create the same effect. These flowers are borne on the stout arching shoots and spring from the leaf joints on the upper part of the leaty young growth. Half shade is desirable for them, but open places will answer for them if the soil is not excessively dry. The rock roses (helianthemum) are just now beginning to be attractive and will be so throughout the season; every day will bring a new crop of the small roselike blossoms, white, vellow or pink, in various shades. The plant is shrubby, but very dwarf in habit and can withstand the dry heat in full exposure; the small foliage is green in winter and helps to keep up a cheerful appearance in the border or on the rockery, wherever we may happen to introduce them. They are propagated by cuttings in August.

The double white Ranunculus aconitifolius fl. pl. is one of the most useful plants of its genus for cutting, though the double yellows are also very serviceable. They are double to the very center and bloom freely in May and June on long branching stems, varying in height according to soil or situation from ten inches to two feet. The plants should not be disturbed too often, old clumps in fairly good soil giving a great mass of bloom year after year and growing to a good height, the flower stems being long, while newly divided plants are a great deal shorter of stem. Fair maids great deal shorter of stem. Fair maids of France and white bachelor buttons, they are called in different sections of the country. The double butterenp or yellow bachelor's button, R. acris fl. pl., is also in flower; it grows usually about one and a half feet high and is not so sensitive when divided and transplanted. All ranunculuses, of which there are quite a number of species, do best in rather moist soil, but an ordinary border will answer quite well for them.

J. B. Keller.

#### Notes on New and Rare Plants.

DRABA BRUNIIFOLIA.

We have in this a very mee dwarf plant about one inch high, which is well adapted for borders. The bright yellow flowers, three-eights of an inch in diameter, appear in such large quantities that almost nothing of the leaves is to be seen when the plants are in full bloom. The single flower lasts, as I observed, more than one week. The flowers appear in April. The perennial plants are raised from seed which should be sown in June, and the plants will then bloom next spring for the first time. The plant is also adapted for rockeries

#### TRANSHIP CHICLOS

This time tuberous plant flowered in January in the open air. It attains a hight of about four inches. Large tuber often produce twenty or thirty flowers as once. The flowers are best compared with those of Helleborus niger, but the are lattless, aller bright vellow and delightfull, fragrant. Immediately beneath the single steme of flower there is a fine rosette of three deeply initied lance with hore see exhalt recurved, while the flowers are in ore or less bell shaped. The are fine expanded only when the sur-shapes the points meanly allied to be noticed to the points meanly allied to be noticed.

by larger flowers and finer incised leaves. It was brought into commerce last year by Mr. Siehe, at Mersina, in Asiatic Turkey.

#### ANTHURIUM GUSTAVI.

This is far the most majestic of the anthuriums, as the leaves measure more than three feet in diameter in both directions. It grows best in a damp house in turfy loam, where it forms leaf after leaf at short intervals. But it is also grown easily in a much cooler temperature, and is a very decorative indoor plant. I have it without any protection in my room for more than a year, where it grows very satisfactorily, though the leaves do not attain their full size. The plant is propagated by cuttings, which will be easily obtained if the head of the plant is cut off.

#### STERNBERGIA MACRANTHA.

Mr. Siche has given us in this recent introduction another new plant of the highest value for cut flower purposes. It is quite hardy, and the flowers appear from the end of October until New Year's, They are as large as those of a good tulip, but of a shining yellow color. Cut flowers remain quite fresh, without water, for five days. The bulbous plant requires a very well drained soil, and to obtain flowers for cutting purposes should be grown in frames, for it is necessary that the plant be kept quite dry, without any water, and fully ex-

posed to sunshine during summer. The plant is quite hardy. The allied Sternbergia lutea has flowers of only half the size of this plant.

UDO DAMMER.

#### ACALYPHA SANDERL

This was one of the most sensational exhibits at the recent Ghent, Belgium, quinquennial exhibition. It is described by Dr. Masters as one of the most striking and ornamental plants he had ever seen. Of branching habit, the branches spread widely and throw down long, bright crimson spikes like those of love lies bleeding, twelve to eighteen inches in length, beneath broad ovate leaves, in a most effective manner. To see a group of these plants at Messrs. Sander's, where one can look up at these crimson tassels, is to experience a sense of enjoyment not to be forgotten. This plant was collected by Micholitz in the Bismark Archipelago.

#### LEEA ROEHRSIANA.

This is one of the finest plants of the genus, and will make an excellent addition to the group of trailing plants. The plant has been named in honor of Mr. J. Roehrs, Rutherford, N. J. Dr. Masters describes it as a tropical climber with pinnate foliage sixteen inches long; each pinna very shortly stalked, six and one-half inches long and two and one-half inches wide, glaucescent, cordate, oblong, acuminate and coarsely crenate. The young



LEEA ROEHRSIANA

leaves are bronze green, and the stem is marked with raised green spots. This plant is allied to cissus, and is found in the hotter parts of India, Malay and Philippine islands and Australia; not only has it this wide distribution, but it is exceedingly variable and therefore plentifully endowed with synonyms, of which L. Roehrsiana, Hort., Sander, is one. It is easy of propagation and rapidly attains vigorous proportions. Small plants bloom more easily, and in bush form it is useful for decorative purposes and cannot be equalled. As a climber its spikes are very attractive, lasting several weeks in a fresh condition. The foliage is of clear, shining green, and the spikes bright crimson.

#### ACALYPHA GODSEFFIANA.

The beautiful variegated foliage of this plant will make it exceedingly popular. The coloring in small plants is very marked. Specimens will prove invaluable for decorative purposes. According to Dr. Masters it is a low growing shrub of dense, bushy habit, with shortly stalked, ovate or ovate-lanceolate leaves, slightly cordate, acuminate, coarsely toothed, teeth incurved; disk three and one-half to four inches long, two and one-quarter to two and one-half inches wide, green, with a few thinly scattered, rather long white hairs on the upper surface and along the cream-colored or white margins; petiole three-quarter of an inch long, densely covered with felted seta. Flowers and fruit not seen. The cream colored marginal variegation gives this plant a very ornamental appearance. Although the flowers are not known, there can be little doubt as to the affinities of this plant, and indeed, there is in the Kew herbarium a specimen which may be the green form of this species. This has been referred with doubt to A. Pancheriana, of Baillon, from which, however, it differs widely as also form A. obovata, which has retuse, rededged leaves. Our present plant, which appears to be very ornamental, was collected in New Guinea by Micholitz.

А. Діммоск.

#### Forcing Strawberries.

I would like to get some information through the AMERICAN FLORIST with regard to growing and forcing strawherries in the greenhouse in winter. Should the runners be started in pots like violets, or would it be better to begin with old plants, potting or planting them in the fall? Please let me know about the best method of culture, including best forcing varieties, most suitable soil, temperature, with such hints as are likely to be useful to a beginner in the forcing of strawberries.

H. L.

In forcing strawberries the plan pursued at this place has been to plunge 3-inch pots along the rows of spring set plants, leading the runners into the pots in July or early August. When the plants have filled the pots with roots they should be taken up, shifted to 6-inch pots and these pots plunged in coal ashes or other similar material, giving them the necessary attention through the season and ripening them off before freezing weather sets in. They may be removed indoors at any time through the winter, subjecting them at first to from 40° to 45° and increasing the temperature gradually until at the time of flowering they will be held at 65°. When the fruit has set, liquid manure should be given twice each week until time of coloring. For ease of foreing and numbers of medium sized fruits the Beder Wood has proven the hest; for



ACALYPHA SANDERI.

large dark fruits the Glen Mary is probably the best.

C. E. Hunn.
Ithaea, N. Y.

#### American Carnation Society Reports.

Eb. Am. Florist:—There appeared in your issue of May 14 last (pp. 1229-30), certain remarks touching my capabilities as a stenographer; and as these remarks are calculated to damage my reputation as such, I beg to ask that you publish the following explanation so as to set the matter right before your readers, so far as I am concerned.

Your correspondent, "E. L.," in writing on "The American Carnation Society," in the pages of your journal just cited, says: "When the society had agreed to meet in New York to complete its organization, the executive committee decided to secure the services of an expert stenographer, so that as complete a report as possible of the meeting would be given to the members who were unavoidably absent, to be published in the proceedings. A mistake, however, was made in the selection of the performer, for the merest tyro present could have made as complete a report from memory a month after the meeting had adjourned as was done in this case."

I am not aware whether your correspondent is cognizant of the agreement

made with me, or the services expected of me in connection with the meeting in question. When Mr. C. W. Ward, who was then treasurer of the American Carnation Society, employed me at that time, the understanding was that I was simply to make a note of the minutes of the meeting, to relieve the secretary; not to give a verbatim report of the proceedings—the latter a work which, although I considered myself quite capable of undertaking it, was one that could not have been reasonably expected for the remuneration agreed upon and paid. Therefore, according to agreement, I furnished a summary of the doings of the society on that occasion; and I may add that that summary was not wholly utilized by the secretary.

Regarding the quality of my work at that time, I quote from a letter received from Mr. Ward, under date May 20 as follows; "Have never heard any dissatisfaction expressed with the minutes of that meeting, save by Mr. Lonsdale, who was then the president, and he thought it would have been nice to have had a verbatim report of the whole proceedings of the meeting. This, however, was an after and not a forethought. So far as I know there is no reason to criticise the work you did at that meeting."

In support of my statement as to my

competency to give a full account of what transpired at the meeting, I will only quote your correspondent's own language quote your correspondent sown language in his article in your paper referred to. He says: "The trade papers published everything, good, bad and indifferent that was done at the meetings." (There was only one meeting as I remember.) For materials paper at least 1 and 1 for the control of the one trade paper, at least, I assume the responsibility of this comprehensive re-

But it is with reference to the meeting of the American Carnation Society, held at Chicago in February last, that I desire to write more particularly. spondent states: "The published proceedings of the last meeting were received last week, and the improvement in the report is quite noticeable, at least over that meeting which was held in New York in November, 1891." These remarks convey the impression that the report of the Chicago meeting is defective from your cor-respondent's standpoint, and as I was the "performer" on that occasion, too, l ask that you give publicity to the undernoted letters of W. N. Rudd, Esq., president, and A. M. Herr, Esq., secretary, of the American Carnation Society, with respect to the services rendered by me relative to the report of the Chicago

ALEX. WALLACE, Esq., New York.

meeting of the society:

DEAR SIR:-Yours 16th to hand, and 1 have pleasure in saying that your work in reporting the recent Carnation Society proceedings was eminently satisfactory. May 19, 1898. (Signed) W. N. Rupp.

MR. ALEX. WALLACE, New York.

DEAR SIR:-Your work as stenographer for the American Carnation Society has been very satisfactory to me as secretary, and as I have heard no complaint from any member of the society it has evidently been equally so to the society as a body. (Signed) ALBERT M. HERR. May 17, 1898.

As my association with the latest report of the American Carnation Society is well known to this trade, I ask you to please insert this communication as a matter of justice and fairness.

ALEX, WALLACE.

New York, May 23, 1898.

#### Chrysanthemum Notes.

It is now time to begin planting chrysanthemums, especially the early varieties and those intended for exhibition purposes. The soil should be well mixed and of a live and pliable nature, using only well rotted manure as a fertilizer. regard to adding bone meal in mixing the compost heap, we have given that up, applying the meal after the soil is in the benches, and from close observation have found this plan to yield much better results.

The meal is applied at therate of about twenty-five or thirty pounds to 100 feet of bench four feet wide, thoroughly mixing it with the soil by means of a spading fork, after which the compost is made as firm as possible. This solid condition of the soil is quite essential to the production of fine blooms of good depth and

keeping quality. If notes were made last season of the habit and growth of the different varieties, now is the time to study them out; by so doing lots of time and labor will be saved later on. It is a good idea to plant all the varieties of the same habit and growth and time of flowering together so far as possible. Our first plantings will be of the early kinds, of which there are few to choose from compared with the number of mid-season varieties.

In the selection of these early sorts it is well to take into consideration the fact that a great many of them do not come up to the later ones as regards size or color, and must, therefore, be out of the way before such varieties as Major Bonnation, Ivory or Mrs. Robinson come on the market. Unless there is a big outlet for the flowers, one should not plunge too heavy with sorts like Lady Fitzwigram, Merry Monarch or Mine, Bergmann.

Among early whites the first to mature with us last season was Midge, cut September 28, with stems about two feet in height. It is easily grown with fair sized flowers but the foliage is entirely too heavy to admit of planting close enough to be profitable. Geo. S. Kalb was ready to cut October 4 with a height of about The stock of this was grown three feet. The stock of this was grown from April struck cuttings, and to get the best results from this variety the cuttings

should always be propagated at this early

date. The stock of Geo. S. Kalb struck in June, though given the same treatment as the earlier cuttings, did not afford nearly such good results. When treated right, this is the best early white we have seen and a great deal better than Mme. Merry Monarch is a loose, Bergmann. Merry Monarch is a loose, spreading flower and has never been thought much of here for commercial purposes, though it may be useful to some on account of its earliness, being ready to cut during the first week of October; it is, however, rather a tall grower.

There are very few early pink varieties of merit to choose from, Elvena and Glory of the Pacific being the best that came under our notice last season. The blooms of both these sorts are of the light pink order and very beautiful unless allowed to remain on the plants too long, when they become very washy in color; they usually flower about October 10.

Vellow Queen is the only vellow variety with us until Major Bonnaffon comes in, and when well done and allowed to fully develop before cutting it is a beautiful flower of fine growth and stem. This is another variety which should be grown from early struck cuttings, taking the buds from August 25 to September 1 or thereabouts. It is ready to cut here about October 14. J. E. Lager, H. L. Sunderbruch and Sunclad are all very good yellows, coming in about October 20, but with us Major Bonnaffon is about ready by this time, and being much the better seller, we have not grown the oth-

ers to any great extent.

Henry Hurrell is another early yellow that took our fancy last season; the only thing we had against it was that we could not get the plant to produce stems of sufficient length for commercial purposes; they were barely two feet high with us, but the flowers were extra fine. There has been very little done in regard to bringing out early reds and bronzes, due, no doubt, to the limited demand for

blooms of these colors.

It greatly depends, of course, on the treatment given varieties whether or not they arrive at perfection early. At this time they should be well grown, thrifty plants. When transferred to the bench give them full light and ventilation; water only when necessary and then freely; syringe on bright days, mornings and afternoons; keep the plants clear of suckers and side shoots, thus enabling them to throw their entire strength into the development of the main stem and hasten their maturity.

C. W. JOHNSON.

#### Among Chicago Growers.

Hinsdale, sixteen miles west of Chicago on the Burlington route, is one of the most delightful suburban towns in Illi-nois, and there two of the largest cut flower growing establishments in the west are beated. O. P. Bassett commenced business at Hinsdale about twelve years ago, in what would now be considered a moderate way, with 30,000 or 10,000 feet of glass. Six or seven years ago Mr Washburn secured an interest in the business and the firm name became Bassett & Washburn. Every year large improvements and additions have been made, and they now have over 500,000 feet of glass. Roses have always been their specialty, although they have grown chrysanthemums and for several years have been large producers of Harrisii and general bulb stock.

Until this season they had not attempted much with carnations, but this year they



ACALYPHA GODSEFFIANA

had several houses of them, their stock being among the best in the market. The tollowing varieties were grown: Mrs. Bradt, Flora Hill, Mary Wood, Lily Dean, Maud Dean, Mayor Pingree, Jubilee, Wm. Scott and Daybreak. Next year Bassett & Washburn will grow carnations more extensively, having leased for that purpose the Mitchell place of about 34,000 feet of glass, which adjoins their property. It is their purpose to make Bassett & Washburn's carnations the standard of excellence in the market, just as their American Beauties have been the standard of roses, and they will grow from 1,000 to 7,000 plants of each of the following varieties: Flora Hill, Mrs. Bradt, Mary Wood, Mayor Pingree, Jubilee, Painted Lady, Gold Nuggett, Dazzle, White Cloud, Argyle, Armazindy, Evelina, Psyche, Scarlet Lady and Frances Joost. Flora Hill will be their leader. They will also have on trial from 100 to 200 plants They will of each of the new carnations of this year's introduction.

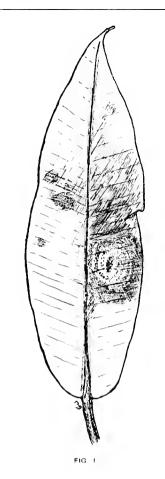
Bassett & Washburn built a house 35x 300 feet especially for smilax and asparagus. The house is much higher than would be required for other purposes and would be required for other purposes and is now planted with 3,000 asparagus and 7,000 smilax. The asparagus is from eight to twelve feet high and so thick are the strings that in many places one can scarcely see through a seven foot border. Two more houses of asparagus will be grown this season. These will be planted on benches and grown to be cut in short sprays to be sold in bunches. About 3,500 plants will be required. Quite a large amount of replanting has already been done for Bassett & Washburn believe planting should be accomplished as early in the spring as is possible. Their young rose stock in pots is in a very vigorous condition. The stock from which they are at present cutting their blooms is clean and healthy, showing not a sign of mildew. Two houses of Kaiserin are remarkably fine. Bassett & Washburn sell all their stock at their wholesale store, 88 Wabash avenue, a very large propor-

tion of it being shipped out of the city.

The Hinsdale Rose Co., although not so large producers as are Bassett & Washburn, are quite a factor in the cut flower trade of Chicago. They have three quite large establishments, two in Hinsdale and one at Downers Grove, a few miles west of Hinsdale. The company owns the old Geo. W. Miller and Paine Bros.' place in Hinsdale. At the former establishment quite a large amount of adiantum is grown, a number of the houses having been built for that purpose. A general collection of roses are all in good condition. One of the novelties to be seen here is a house of Sunset. A few years ago this rose was about as plentiful as Perle, but now it is seldom seen. At the Paine place a general collection of roses are well grown, and here also adiantum is a specialty remarkably well done. A special feature at this establishment is smilax, five houses being devoted to it. Over 15,000 plants are grown. A general collection of bedding plants is also grown. All the stock of the Hinsdale Rose Co., is sold by A. G. Prince & Co., 88 Wabash avenue.

#### The Anthracnose of Ficus Leaves.

During the present week my attention has again been drawn to a leaf trouble of the India rubber plant. Ficus elastica. This time the complainant came in person and laid his case before me, which is the same old story of the foliage losing its beautiful green color and turning to a



sickly greenish yellow that finally ends in the affected foliage turning brown and becoming dry and distorted. Anything that affects the foliage of a rubber plant is sure to bring ruin, for the chief beauty resides in the luxuriant large thick leaves, deep green in color and glossy upon the surface. It is a serious blemish if any leaf

is imperfect in any respect. The disease in question is due to a fungus of the group known as the anthracnose and belongs to the genus gloeosporium. The same or a similar species (Gloeosporium elasticae Cke and Mars) works upon the crotons, dracanas, neriums and dieffenbachias, and it is not unlikely that the disease spreads from one or the other of these greenhouse plants. As a rule the leaf shows at first a single patch an inch or so across that is losing its healthy green color and enlarges, and the center finally becomes light brown when the fungus begins to burst through the skin, most frequently upon the under side, and produces small pinkish rifts in the epidermis of the leaf. Fig. 1 is from a drawing of a leaf recently brought to the station by one who was alarmed at the sad plight his ficus was in. In Fig. 2 is seen a small portion of the In Fig. 2 is seen a sman portion of the underside of the blighted part showing somewhat enlarged the nature of the ruptures and the granular exudations of the spores. It is by means of these spores that the fungus is spread from place to place.

Should the reader wish for an illustration of a similar fungus the bitter rot of the apple may be mentioned, which in appearance to the naked eye is not easily distinguished from the one upon the ficus. As a remedy it is written that all affected leaves are beyond cure and should be removed and burned. The variegated variety of ficus is much more susceptible to anthracnose than the ordinary sorts,

and if such diseased plants are grown they may breed the disease for the fully green specimens that might not otherwise be attacked. It is not expected that spraying could ever become popular with such plants as the ones under consideration, for the beauty would thereby be greatly diminished by the coating of the fungicide. It is possible that the whole plant may become infected and then there is little hope of saving it, but when a single leaf is diseased, and fortunately it is usually among the older ones, it should be promptly removed before the disease spreads to other portions of the plant.

Byron D. Hallsted.

#### New York.

VERY HEAVY RECEIPTS OF ROSES AND CARNATIONS.—BUSINESS EXCEEDINGLY DULL,
—CROWDS PATRONIZE CLEARY.

One wholesaler estimates the receipts of roses in this city last Saturday to have been in the vicinity of 300,000. There have been few days in the history of the flower trade here when the aggregate cut has approached what it has been for the past few days. Carnations are also coming in heavily, seemingly making an effort to average up for the scanty production of a few weeks ago. Simultaneously with these overwhelming crops business has apparently gone to pieces and the demand is exasperatingly slow. The result is that there is no such thing as stable prices, and the most importunate Greek can simply have goods at his own figure, placing the wholesaler, too, under a debt of gratitude to him for carrying the stock away. The retailers remark that the buying season seems to get shorter each year. The long, profitless summer wipes out whatever gain they may have made during the active winter season.

John Weir's son James has gone to the front. Mr. Weir thinks that fighting the Spaniard will be boys' play compared with the fight he has had to keep up for the past few years on Twenty-eighth street.

Standing room is at a premium these days at Cleary's auction room.

Visiting New York: A. H. Hews, Cambridge, Mass.

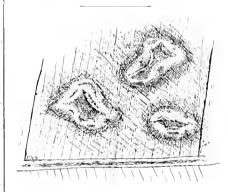


FIG II

#### Philadelphia.

TRADE IS QUIET AND PRICES HAVE NO STABILITY.—BEDDING STOCK SELLS AT PRICES WHICH DETER MANY GROWERS.

And still it rains, scarcely a day passing without a shower or two. The cut flower market is quiet, there is little doing in the stores and shipping trade is rapidly falling off with the commission men.

Prices, as is usual at this season of the year, have no stability. The price for tea roses in twenty-five and fifty lots is

from 4 to 6 cents, but larger quantities go very low. Beauties range in price from \$2 to \$25 per hundred. Sweet peas are plentiful in all colors at from 25 to 75 cents per hundred.

Carnations are holding out well at from 75 cents to \$1.50 per hundred, a few extras bringing \$2. Paronics sell for

\$4 to \$6 per hundred.

Bedding plants are moving lively when the weather permits of their being planted. Prices are about as follows: Lower grade of plants, such as verbenas, petunias and phlox, in 2½ inch pots \$3 to 84 per hundred; 334 and 4-inch stock of geraniums, heliotrope, ageratum and fuchsias, 86 to 88. Larger plants of the same in 6-inch pots, \$16 to \$20. Roses sell for from \$20 to \$40 per hundred in 5 to Sinch pots.

Many growers say there is no money in 4-inch plants at less than \$10 per hundred, or the 212 inch size at less than \$4. and as such figures have not been realized for the past six or eight years they have turned their attention to palms and other foliage plants. However, there are plenty of growers who are encouraged to supply the demand at the quoted figures and who have enough left over for an additional house every year or two.

The florists' shad dinner and pienic was held at the grounds of the Gun Club at Wissanoming Wednesday and, considering the weather, which could not be otherwise than cloudy, with a little rain, it was quite successful. There were about seventy five ladies and gentlemen present and the afternoon was spent very pleasantly with games on the lawn and in watching the gunners at the trans. May pole was erected in the center of the lawn and was decorated with carnations, bunting and red white and blue ribbons. A dance about the pole took place, between the showers, to music by the orchestra. A forty yards race was won by 11. Dumont, with Wm. Smith and Wm. Craig second and third respectively. The running jump was won by H. Dumont, who covered sixteen feet, George Moss being second with fifteen and one-half feet. The forty-yard hurdle race was won by Geo. Moss, with H. Dumont second. Heacock won the high jump, with II. Dumont second, and the fat men's race was won by Edwin Lonsdale, with Chas. Fox second and T. Butler third. An excellent shad dinner was provided, to which all did justice. In the evening dancing was indulged in. The Brave Old Duke was rendered by Edwin Lonsdale in his best style, and the party broke up after singing the Star Spangled Banner

#### Boston.

MI MORIAL TOLY HOPES AND PROSPECTS .-ALL TLOWERS ALRY ARE SDANT, -- FAHIRE HOS AT HORBOULTURAL HALL - AT-TRACTIONS AT THE ARROREST M.

All thoughts are now turned to Memorial Day, and the prospects for supply and demand. Great hopes are based upon this observance, which New Lingland florists have learned to regard as one of the most profitable of occasions, rivaling Laster and Christmas, and to is high correct events are expected to give additional importance this year. florists will need all they can get out of Memorial less to average up on the losses of the past two weeles, during which ther have gone through a period a unparadicled duliness. The receipts of flowers have been very he cay and entirely out of proportion to the outlet for them. Outdoor bloom has begun to come in.

and that helps to still further embarass the situation. Not even the most sanguine grower has the temerity to suggest that there will be any shortage in any line for Memorial Day. All indications point to a tremendous crop of carnations and roses and moderate prices are likely to prevail.

Fyrnses, prunuses and redbuds are at their height at the Arnold Arboretum and make a gay display. The lilaes are following closely on them; they will be even finer than they were last year. The hardy indica azaleas have gone through the winter well and Mr. Dawson is highly

clated over their acquisition.

There were quite a number of interesting things at the exhibition at Horticultural Hall on Saturday, May 21. Wm. Donald, gardener to J. S. Bailey, showed a plant of Miltonia vexillaria Hilliana, which won a certificate of merit for superior cultivation. Harvard, a fine dark crimson carnation, was shown by J. Tailby & Son. It is said to be a cross between Mangold and Uriah Pike. Rea Brothers' hardy perennials, C. H. Souther's gloxinias, Oakes Ames' hardy primula, James Comley's pyruses and magnolias, etc., all contributed to make an attractive show; but the title of "Grand Exhibition," as announced at the entrance, was hardly justifiable. Why is it that flower shows are always "grand?"

Wm. F. Dawson, son of Jackson Dawson, is to be married June 15, to Miss Julia Hoffman, of Schenectady, N. V. Mr. Dawson is consulting engineer for the Genetal Electric Company at Schencetady. Plant auctions at McCarthy's are

booming now; prices up to the average, as a rule.

#### Chicago.

GREAT OVER-PRODUCTION OF STOCK .--GOOD PROSPECTS FOR JUNE TRADE. - FLO-RISTS' CLUB MEETING AND PLANS, -NOTES AND COMMENTS.

The generally predicted revival of trade The generally predicted revival of trade for Memorial week has hus far failed to materialize and the superabundance of flowers the fore part of the week was the largest of the season. Tulips, iris, narcissus Poeticus, paonies, lilae, spiraca, snowballs and Cape jasmine have been in the market in over supply. The season for all this class of stock except jasmine and paonies will be virtually over this week, and when these flowers are gone better prices will be realized for are gone better prices will be realized for roses, carnations and all greenhouse grown flowers. The market will probably be cleaned out of all salable stock this week. Another such glut as we have experienced for the past few weeks is not likely to occur before fall. Usually there is a very good demand for flowers during June and at the same time many growers will commence to throw out their stock of roses preparatory to replanting, which will materially reduce the stock of cut

The meeting of the Florists' Club, May 20, was well attended and two caudidates were elected to membership. Sweet peas and summer flowers were the subject for discussion. The general sentiment was that there is not enough demand for out flowers in summer to warrant any special effort to grow them for that

At the next meeting arrangements will be made for a series of summer outings. reamboat excursion to Milwankeehas born proposed and is generally favored es the members of Austin Shaw and I folder of New York, and C. C. Poll ith, of Milwankee, visited the club.

O. J. Friedman, who has been sick with typhoid fever for the past two months is much improved and will be down to his store in a few days.

A. L. Vaughan has returned from a

business trip through the west.

Bassett & Washburn are mailing with

their price list, a card giving samples of ribbon, with sizes and prices attached.

John Muno, one of the oldest settlers of Chicago, died May 19 at the home of his son, John Muno, Jr., the well known florist on Touhy avenue, near Western avenue. Mr. Muno was 86 years of age.

The floral tributes at the funeral of Police Inspector Michael Schaack last Sunday were the most elaborate seen in Chicago in a long time.

The Chicago Flower Mission will give an entertainment at Willard Hall on June

Visiting Chicago: Miss Rose Wright Spokane, Washington. I. T. A.

#### Baltimore.

FLOWERS FOR THE SIXTH MASSACHUSETTS REGIMENT WHICH WAS MOBBED IN BAL-TIMORE THURTY-SEVEN YEARS AGO.-HAIL STONE DAMAGE.—CHANGES IN THE PARKS.—NOTES.

The planting out season is in its full glory just now and to judge from the amount of talk it produces, the crop of torpedoes Uncle Sam has planted in the harbor is by far the most important plantation of all. "It is an ill wind that blows nobody good," and at least one of the trade is satisfied with the war as he is finishing off the earth works and is sodding them for the government.

The hail storm that swept over the southwest part of the city left many a wrecked glass roof, too many to itemize, in fact, for from north of Catonsville around to Brooklyn not a place seems to have escaped damage, some indeed, having almost all the glass on the houses broken. The customary exaggeration would lead one to believe that balls of ice as large as hens eggs fell, but it is pretty certain that there were some as large as pigeon eggs, and anyway, they were large enough to shatter any single thick glass and broke much that was double thick.

There have been a good many changes among the superintendents and employees in the city parks. A. Anderson, of Patterson Park, has given place to Robert Corse. Mr. Johnson, of Clifton Park, has been succeeded by N. F. Flitton. Fred. Wessler is filling the position in Riverside Park lately occupied by Mr. Clark, and the changes made in subordi-

nate positions are past enumerating.

The passage of the Sixth Massachusetts Regiment through the city called out boundless enthusiasm and used up a good many cut flowers, for which we should be thankful, as the demand outside of funeral work, is not what it might be. Besides the floral peace offerings to the officers of the regiment, flowers were actually strewn in the path of the rank and file at Mt. Royal Station, which was a much better way of treating the soldier boys than was the reception of stones accorded this same regiment when it passed through Baltimore in 1861,

BRINGLEORL, CONS.-Howard Bayette was so badly injured by a train at a street crossing at Rochester, N. V., that both legs were amputated at the knee. He was employed at his trade as a florist at the time of the accident. His family resides here

#### The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY

Orders for less than one-half inch soace not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE leaves of vine forwarded by "M. were so far damaged in transit as to be beyond identification.

THE Florists' Hail Association is promptly adjusting and turning over the eash to cover the recent heavy losses at Kansas City.

FUMIGATING with hydrocyanic gas in the cellar after nursery stock is dug in the fall is recommended in a recent bulletin of the New York Experiment Station. This will probably destroy all insects.

WE have received a box of excellent Cape jasmines (Gardenia florida) from the Concordia Nurseries, Dickinson Texas. They were cut and packed when the buds showed color, and arrived in the best possible condition.

R. G. CAREY'S list of the hest twentyfive chrysanthenums, submitted to the Florists' Club of Philadelphia last November, and published subsequently in the AMERICAN FLORIST, has been translated into French and appears in the May issue of *Le Nord Horticole*. The list has also been published by the *Gardening World*, London. Special comment is made on the American requirement of good stem and foliage in a chrysanthemum.

MR. CHAS. RAYNER informs us that a new enterprise will be launched in Louisville, Ky., June 1. It will be known as the Louisville Florists' Supply and Exchange, doing a commission business with some unique features. All consignments are to be kept absolutely separate, and the consignee will be notified of any surplus and matters so arranged that his stock can be traced right through. No fakir business will be permitted at the new establishment, and it is claimed that a business of this kind will supply a long felt want in Louisville and will meet with the approval and support of the florists in general.

#### Resolutions on the Death of Thomas Cartledge.

At a special meeting of the Florists' Club, called Wednesday afternoon, May 18, to take action on the death of our fellow member and ex-treasurer, Thomas Cartledge, the following resolutions were adopted:

WHEREAS, The Florists' Club of Philadelphia having learned with deep regret of the death of Thomas Cartledge, its late treasurer and honored member, therefore

Resolved, That the Florists' Club of Philadelphia hereby expresses its deep sense of the irreparable loss it has sustained in common with a host of sincere friends; they were proud to have known him, to have associated with him, and to have called him friend; a man just, honorable and true in every position to which he was called. His memory will long be

kept green in the hearts of the many to whom he was always a wise, sympathetic and affectionate counsellor. The Florists' Club, to which he was long a faithful and efficient treasurer, and of which he was one of the founders, is unable to fully express the sense of great loss sustained by his death.

Resolved, That these resolutions be

spread on the minutes of the club and a

copy be sent to the family.

ROBERT CRAIG. Com. (Signed) CHAS. D. BALL. EDWIN LONSDALE.

#### Cut Flower Price Lists Received.

H. L. Sunderbruch Co., Cincinnati; Holton & Hunkel Co., Milwaukee; Ellis & Pollworth, Milwaukee; St. Louis Cut Flower Co., St. Louis; Wm. F. Kasting, Buffalo; City Hall Cut Flower Market, Boston; Illinois Cut Fower Co., Chicago; A. G. Prince & Co., Chicago.

#### Catalogues Received.

The Herendeen Manufacturing Co., Geneva, X. Y., heating; D. Haster & Sons, Hillegom, Holland, bulbs; S. A. Van Konijnenburg & Co., Noordwijk, Holland, bulbs; Illinois Cut Flower Co., Chicago, Ills., vases; A. Blanc & Co., Philadelphia, Pa., plants; Ellis & Pollworth, bulbs; Vredenburg & Co., Rochester, X. Y., lithograph plates; C. G. Olie. Boskoop lez Gonda, Holland, plants and bulbs.

#### Greenhouse Building.

Bloomfield, N. B.-John Campbell, one rose house.

Hartford, Conn,-John Coombs, three rose houses each 20x100, and two violet houses.

Waterbury, Conn.—A. Dallas, two rose houses, one 21x150, the other 21x50.

Grand Rapids, Mich.-Crabb & Hunter, large carnation house and violet houses. Henry Smith, violet house 150 feet long and carnation house 250 feet

#### A Famous Chicago Collection of Orchids.

The only private collection of any extent is situated within half an hour's ride from the heart of the city, where the influence of the impure smoky atmosphere at times has its effect on some of the varieties of tender constitution. The owner of this collection has seven houses devoted to their culture, and although small, they are well adapted to the needs of the varieties grown. It may be safely stated that no collection possesses such a combination of species as is here seen thriving and flowering with the greatest freedom, in fact the visitor will rarely be disappointed, finding a good display of flowers at any season.

It may not be generally comprehended, but it is true that here may be found the finest and most complete collection of hotanical orchids in the country. In many instances they are quite unique, and Mr. E. G. Uihlein, the fortunate owner, is ever ready to acquire any species that is novel or interesting. Many sarcopodiums, epidendrums, celogynes, aerides, vandas, masdevallias, odontoglossums, eattlevas and lælias are grown, but to ennmerate even a small share of them would encroach too much on your space. Foliage plants also have a large share of his attention, and very complete collections of alocasias, caladiums, crotons, dracænas, nepenthes, etc., thrive most luxuriantly.

The collection of cypripediums is very extensive, over fifty species and varieties

being in bloom at the time of our visit. It is gratifying to note that the proprietor of this group of plants takes great pleasure in allowing any one interested to see them, and is ever ready to impart what knowledge has been obtained in growing so many species with such remarkable success in a comparatively limited space and under very adverse conditions. А. Биммоск.

#### Milwaukee.

AMARYLLIS CULTURE BY MR. NEHRLING .-THE DEVELOPMENT OF BULBS WHICH COST FIVE DOLLARS EACH.

There is a small private greenhouse in this city which is doing its full share in the development of high art in horticulture. It is owned by Mr. Nehrling, a naturalist who has gained a more than local reputation. Mr. Nehrling's chief hobby is the amaryllis, although orchids have had their share of his attention. For years he has been quietly at work hybridizing and studying the amaryllis, simply for love of the flower. No attempt has been made to sell the product of his labor. Florists have told him they did not care for amaryllis because "there is no money in them." Surely no florist would say that after seeing the plants I saw last week and they were inferior to those which had bloomed earlier and had gone to seed. The original stock came from the noted firm of De Graff Bros., of Leyden, Holland. Mr. Nehrling's endeavor has been to produce varieties of greater substance but the colors have also greatly improved. The different seed pods are carefully tagged recording all particulars of their growth. There are numerous batches of seedlings of various ages, one lot of which will bloom next season. It is difficult to judge their value. The original stock cost \$5 a bulb, and he has spent years caring for them. It takes four years to produce a blooming bulb from seed. His conservatory became over crowded and several cases of bulbs have been sent to his place in Florida where they will be grown outside.

Binzell & Kellner have removed to temporary quarters on Chestnut street while the new building is being erected.

Garland Bros. display great skill and care in packing roses for the market.

Complaints about poor trade are not uncommon, but there are unmistakable evidences of evolutionary changes, and those who conduct their affairs as was common years ago do the most complain-

The Japan quince, which usually fails to bloom here, and the almonds are a mass of bloom this week. All vegetation is luxuriant this season, and records show that late, cool springs always bring forth the more gratifying results.

#### Grand Rapids.

MICHIGAN FLORISTS PROPOSE VISITING THE CHICAGO CHRYSANTHEMUM SHOW, -NEWSY JOTTINGS OF MEN AND FLOWERS.

Trade has been fairly good this week, with an abundance of flowers of all kinds. Every florist is busy with plant trade. Prices range about the same as last year, with a prospect that everything in the plant line will be sold.

The Florists' Club met at the Eagle Hotel on Tuesday, May 24. On account of the busy season it was decided not to meet again until the first Tuesday in October. Those present were in favor of attending the Chicago chrysanthenium show in a body rather than to hold the annual picnic as heretofore.

Young stock of all kinds is looking well.

Carnations are all planted out in good

Crabb & Hunter are building a large carnation house and several violet houses. The Grand Rapids Floral Company expects to rebuild several houses this summer. Henry Smith is rebuilding several rose houses and has built a violet house 150 feet long and a carnation house 250 feet long. Jubilee and Murillo carnations have done well with him this year.

Crabb & Hunter have a fine show of Mayor Pingree, Flora Hill, Dazzle and several other carnations. Their new car-

nation, Irene, is looking well.

Hopp & Lemke have a good show of American Beauties. Their new carnation, Catherine Pantlind, has come to stay, as it is a pleasing color and lights up well at

The N. B. Stover Floral Company, of Grandville, expects to rebuild several of their carnation houses this summer. They report a very satisfactory trade so

far this year.
F. A. Chapman has a sport from Daybreak of the Victor shade which he has been growing for several years.

Wenzel Cukierski, the city florist, has been promoted to be superintendent of He has worked hard to make the parks. He has worked hard to make the Grand Rapids parks what they are and is justly entitled to the position.

A committee of florists will meet with the secretary of the State Fair to arrange a premium list for their department in the exhibition to be held in September.

#### San Francisco.

CALIFORNIA FLORAL SOCIETY'S EXHIBIT WAS A FAILURE FINANCIALLY DESPITE THE UNUSUAL MERIT OF THE DISPLAYS. LIST OF THE AWARDS.

The following is the official list of awards at the exhibition of the California Floral Society held in Golden Gate hall, San Francisco, May 13, 14 and 15:

Best and largest collection of carna-

tions, John II. Sievers.

Best and largest collection of pelargo-nium cut blooms, John H. Sievers.

Best and largest collection of ferns, John H. Sievers

Best display of greenhouse roses, John H. Sievers.

Second best display of greenhouse roses,

F. Pelicano & Co. Best display of flowering and foliage

plants, John H. Sievers

Best and largest collection of pelargo-

niums, Geo. N. Tyler.

Best and largest collection of pansies, cut blooms, Geo. N. Tyler.

Floral designs, first premium, Frank Pelicano & Co.

Table decorations, first premium, Joseph II Leikens

Best display of foliage and ornamental

plants, variety and grouping considered, Domoto Bros. & Co.

John II Sievers, as usual, took the lion's share of the premiums. This exhibit was tastefully arranged and included the following twelve varieties of carnations. the same that were exhibited at Chicago at the meeting of the American Carnation Society Dr. Tevis, Hannah Hobart, Grace Eunyon, Leshe Paul, Elsie Fergu sem Iris Miller, Maria Angela, Harriett Bradford, John Carbone, Sita Berniger. John Hinkel and Helen Dran. The last, a seedling from Albertina, is very fine three hundred blooms were exhibited and none of them were under two and three quarter inches in character, with stems from two to three feet in length. Hannah Hobart manother fine variety, the blooms exhibited were none of them under three inches in diameter and a great many of them were three and a half inches, with the same length of stem as the Helen Drau. I understand that six thousand plants of these twelve varieties have been sent to Albert M. Herr, Laneaster, Pa., for trial as commercial varieties and will be disseminated by him when the proper

In the center of the stage Mr. Sievers exhibited a vase of American Beauty oses with stems four and five feet long. He also displayed vases of Bride, Bridesmaid, Testout, Kaiserin, Meteor, Ulrich Brunner and Souvenir de Pres. Carnot. The background of his exhibit was arranged with palms and ferns, and in the foreground was a fine show of orchids, ferns, etc. In the forward center were cut pelargoniums. The exhibit on the whole was the finest ever seen in San Francisco.

Another display which attracted a great deal of attention was a floral design "the Maine," exhibited by Frank Pelicano & Co., whose show of green-house roses, while not so large as Sievers', was very fine.

Domoto Bros. & Co. displayed Japanese stock, ferns, eyeas, varieties of rhapis, maples, aspadistras, etc. The grouping was very artistic and received much favorable comment.

George N. Tyler won first premium on each of his entries, 100 varieties of pelargoniums and pansies grown from Vaughan's

international mixture of seed.

But with all the fine displays of flowers and plants the show was a financial failurc, as the paid admissions did not equal the rent of the hall, let alone the premi-I think this will be the last floral exhibition for some time to come given by any of the floral societies in the towns adjacent to the bay of San Francisco. The Pacific coast public will not pay an admission fee to view a floral exhibit, no matter how fine it may be. I presume many of the eastern cities have gone through the same experience. G. N. T. through the same experience.

#### Asters.

Brown—"Has Mrs. Jones planted all those asters I sent her?" Jones-"I never aster."

SPRINGHIELD, MASS.—Schlosser & Andrews are making extensive repairs on their greenhouses.

JOLIET, LLL.-Emil Blum, of this city, and Miss Haerer, of Philadelphia, were married on May 11.

Covingtion, O —Dan Ruttle detected Ed. Berte in stealing flowers from his greenhouse. Berte was sent to jail.

OWATONNA, MINN.—S. S. Zeigler, of What Cheer, Iowa, has become field manager for the Owatonna Nursery Co.

CARLINABLE, LLL-Crum's Nurscry at Palmyra was almost entirely destroyed by a wind storm which swept Macoupin county on May 20,

NATION, MASS. William Montgomery, father of Alexander Montgomery, superintendent of E. M. Wood & Company's grounbouses, died on May 23, aged 72

#### BITUATIONS, WANTS, FOR SALE.

Advertisements under this bead will be inserted at the rate of 10 cents a line (seven words) each linear-tion i sach minst accompany order. Plant advs. not admitted under this head. Every pold aubscriber to the AMERICAN FLORIST for the year 19% is entitled to a five-line want adv. free to be used at any time during the year.

SHI ATION WANTED By young man of several cara experience as general helper. Best references

Offuation Wanted-By a good all-round gar-dener, English, married, no family; private place preferred. State wages. H. H. HUNT, Evanston, Ill.

SITUATION WANTED-By a practical fiorist, good propagator and designer; 25 years' experience. Can take charge. New England preferred. Andreas H, care American Florist

SITUATION WANTED-By all-round florist on private or commercial place; married, good worker and total abstainer. Beat of references. Address A R W. Box 349, Stafford Springs, Conn.

SITUATION WANTED—By experienced florist, mar-or rice (no children), middle age: either private or commercial place; understand raising general ctock, greenhouse building and steam fitting. Address FLORIST, 5739 Esston Ave., St. Louis, Mo.

SITUATION WANTED—as foreman in large cut flower growing catablishment by a first-class grower of roses, carnations, etc; has been foreman in large places for past 10 years; 24 years experience. Best references. GROWER, care Am. Florist.

WANTED—To rent 15 00° to 20,000 feet of glass in good repair, near Chicage.
H. C. Blewitt, Des Plaines, Ill.

WANTED-Some 10x12 or 12x12 A double etrength, glass; also second band 4 in. cast iron pipe and fittings.

W. P. RANSON, Junction City, Kans.

WANTED-An energetic foreman, married, for large cut flower growing establishment; must be experienced.

METEOR, care Am. Floriat.

WANTED-First-class florists' wire design worker.
Steady work the year round Apply with refs.
HOLTON & HUNKEL CO., Box 103, Milwaukee, Wis.

WANTED AT ONCE—Florist, young man preferred, single, to grow roses, carnations, 'mums violets, wholesale only: state wages, with board, expected. MicHELL FLORAL CO., Grosse Isle, Mich.

WANTED-To rent or lease with privilege of pur-chase, greenhouses. 8 000 to 15,000 teet of glass. Must be in good repair and running order. Address with full particulars

W. R., care American Florist.

WANTED -A 20 or 25-horse power tubular boller, 236 or 3-in, tubes, front grates, everything complete and in good repair, ready to set up at occe. Must be cheap; will pay spot cash, E. C. NEWBURY, Mitchell, S. Dak.

WANTED-A GOOD second-hand boller in perfect creer for beating greenhouse by hot water under pressure of say 20 pounds; capacity equal to about 4000 lineal feet of I-in. plp. Address THOS. A. IVEY, 107 Colborne St., Brantford, Ont.

WANTED—A competent florist capable of taking charge of a small greenbouse. Must be cober and not atraid to work. State lowest wages till lat of October, when an increase of salary will be given.

W. H. Wittigm.

204 1st East St., Vicksburg, Miss.

FOR SALE CHEAP-Two Hitchings boilers. One No. 17, with corrugated fire box. In very good condition. W. T. Bell, Franklin, Pa

FOR SALE-A 10 H. P. hot water boller in A No. 1 condition. Only used two years. Price \$60 on premises.

MRS H. C. BUCHELER, Oconomowo, Wis.

FOR SALE—Fine retail business with greenbouse, large stock plants, palms; or exchange, a bargain, have other business. Address it il, care American Florist.

FOR SALE-First-class retail stand, about 5000 feet of glass: new. Has never paid less than \$1300 per year net. Will require \$1000 cash, balance time at 6 per cept. Reason for selling, failing health. Address D.LINOIS, care American Florist.

POR SALE - Foor greenhouses, nearly new, splendid retail stand, near business center in residence district, on road to cemetery, payed street. Terms easy, Must retire on account of poor health.

A CLAUS, 563 N. 4th St., Springfield, Ill,

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WANTED IMMEDIATELY.
A good all round Floreist, not affaild to work, on a commercial place, 6 houses: certoallons, violets and mains pricipally. Wages \$20 per month and board; good home. Work be a temperate man.
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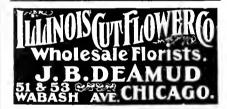
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## Wholesale Flower Markets

|   | CHICAGO, May 27.                             |
|---|----------------------------------------------|
| Н | loses, Beautiesper doz, .75@2.50             |
|   | " Brides 1.00@ 4.00                          |
|   | " Meteors, Bridesmalds, Kalserin, 1.00@ 4.00 |
|   | " Gontlers, Perles 1.00@ 3.00                |
| C | arnations, common                            |
|   | " fancy 2.00@ 3.00                           |
| N | larguerites                                  |
|   | arcissus Poeticus                            |
| ï | Isrrish, Callas 2.00@ 5.0                    |
| ĩ | Ally of the valley, ('ape Jasmine50@ 1.0     |
|   | ulips 1.00@ 4.0                              |
|   | weet peas 50@ 1.0                            |
|   | ladioli 6.00@ 8.0                            |
|   | dlantum                                      |
|   | mllax                                        |
| Ā | .sparagus40.00@75.0                          |
|   | 'analea                                      |
|   | euntesner dozen25@ .50                       |



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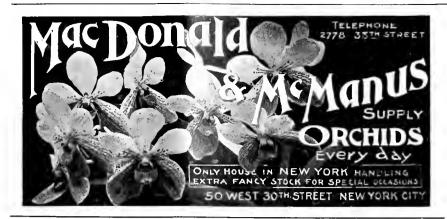
#### CARNATIONS FROM SAND.

|           | [5 r 100    | 15cm (000)   |              |               | Per 100    | Per 1000   |
|-----------|-------------|--------------|--------------|---------------|------------|------------|
| 3 r. 11   | 905 489     | 9.55 (m)     | S 11         |               | 181 LE.    | 赤7.54)     |
| 4 . (fitz | 1.5/1       | 12.50        | 1            |               | 1.00       | 7.50       |
| Fig. 10 c | 1 41        | 12.30        | Larra Andres |               | 1.00       | 7,50       |
| M. W.     | att of a to | cour choice. | Et and out   | 32 00 per 100 | and {La00] | a+g (1990) |

# ROSE PLANTS

| Out of 21/2-inch pots. | Per 100 | Per 1000 |
|------------------------|---------|----------|
| American Beauty        | \$5.00  | \$45.00  |
| Meleor                 | 2.50    | 22.50    |
| Bride                  | 2.50    | 22.50    |
| Teslout                | 2.50    | 22.50    |
| Belle Siehrecht        | 2.50    | 22.50    |
| Perle                  | 2 50    | 22.50    |
| Pres. Carnot           | 2.50    | 22 50    |
| Kalserin.              | 2.50    | 22.50    |
| Bridesmaid             | 2.50    | 20.00    |
| La France              | 2.50    | 20 00    |

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| NEW YORK, May 25.                           |
|---------------------------------------------|
| Roses, Beautles, Hybrid 2 00@10 00          |
| " Bridesmaids, Testouts, Brides 50@ 1 00    |
| " Morgans, Meteors                          |
| Carnations                                  |
| Lily of the valley                          |
| Sweet peas, per 100 bunches 4.00@6.00       |
| Harrisii, Callas                            |
| Smllax                                      |
|                                             |
| Asparagus 40.00@50.00                       |
| Cattleyas 50 00                             |
| BOSTON, May 25                              |
|                                             |
| Roses. Beauties, Jacqs. Brunners 6.00@12.00 |
| Brides, Bridesmalds, Meteors 2 00@ 8.00     |
| Carnations, white                           |
| colored and fancy 2.50@ 4.00                |
| Llly of the valley 1.00@ 3.00               |
| Daffodils, Tulips, Spiræa stocks 2 00@ 3 00 |
| Harrish, Callas                             |
| Sweet peas                                  |
| Smilax                                      |
| Asparagus 50.00                             |
| ,                                           |
| PRILADELPHIA, May 25.                       |
| Roses, Beantles 2.00@ 25 00                 |
| " Brunners 6.00@ 12 00                      |
| " Jacqs                                     |
| Carnations                                  |
| extra                                       |
| Lily of the valley 3 00@ 4,00               |
| Harrisii                                    |
|                                             |
|                                             |
| Pæonies 4 00 @ 6.00                         |
| Smllax                                      |
|                                             |



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Edward C. Horan. 34 W. 29th Street, NEW YORK.

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Price list on application.

### WM. C. SMITH, Wholesale Florist.

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders

Long Distance Telephone 5008 A.

#### **CUT FLOWER MARKET,** 9 Chapman Place, 15 Province Street, BOSTON, MASS.

PROPRIETORS.

wers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

#### J. K. ALLEN, Wholesale Florist.

**EXTRA ROSES** 

57 West 28th Street,

Distance Telephone 382-38th St

NEW YORK.

#### GALVIN&CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS. Cut Flower Consignments Solicited. Best market.

#### GEORGE A. SUTHERLAND, Cut Flowers & Florists' Supplies WHOLESALE.

67 Bromfield St.,

BOSTON, MASS.

Wholesale Florists

ALWAYS ON HAND BRIDESMAIDS,

JOBBERS IN

Borticultural Auctioneers. 84 HAWLEY STREET. . BOSTON.

#### JOHN YOUNG. ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street. NEW YORK. Price list on application.

#### FRANK MILLANG, FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange.

NEW YORK.

#### Notes and Comments.

It must have been a treat to listen to Professor Britton's intelligent and instructive address before the New York Florists' Club lately upon "Experiments with Chemical Fertilizers on Greenhouse Plants," taking into consideration the discussion which followed as reported under the head of New York notes in the American Phorist. When expressing my experiences in the use of peat moss and ashes in your columns recently. I had no idea that any systematic experiments had been carried on by so intelligent an experimenter as Professor Britton, with the same materials (the various essential plant foods added), at the Connecticut Agricultural Experiment Station. It is quite a coincidence. It matters not whether Professor Britton is endorsed by "E. I." or whether "E. L." is endorsed by Professor Britton, the fact remains the same. I wish the feeling of comfort which I now experience could be conveyed to your readers, for 1 have noticed with a sensation akin to humor that the always flippant and frequently rampant critics so far have assumed no knowledge as to horticulture in any of its various branches, excepting a presumptuous dis-sertation upon Professor Britton's so-called misapprehension anent sleepy carnations some time ago. The practical gardener and equally practical commer-cial grower knows only too well that there are some varieties of carnations prone to produce sleepy flowers, which are actually caught napping on the plant before they are ready to cut. It is true, also, that some varieties are more sleepy than others and that the trouble in the same varieties of carnations is more aggravated some years than it is in others. The disease producing this unfortunate state of affairs in some of its phases has been called by some professors anthraenose. My impression is that more than one cause is at the bottom of the sleepy flower defect, for there appears to be variations of sleepy flowers, if I may be allowed to so classify the differences noticed in defective carnation blooms. Whether the fungus of the propagating bed has been classified as anthraenose, I cannot at this time recall, but I have often thought there is a close affinity between it and stem-rot and some sleepy carnations. It will take a professor to unrayel the trouble. I cannot.

ELGIN, ILLS.—George Souster has sixty acres of land at his establishment and devotes 18,000 square feet of glass to commercial floriculture. He reports an escellent spring trade.

WILLIAMS BAY, WIS = Frank T. Manahan, who met with great success as gardener for John M. Smyth, is now manaager of the Williams Bay Floral Company whose greenhouses are located upon the Peter Johnson place

Octoro, Iowa - Wm. Krueger has pur chased the half interest of W Owens in the Gould Nursery at Rolling Prairie, which has been planted to 19,000 new trees and will be run in connection with the Erneger Nursery

## Asparagus

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.



# Wholesale Flower Markets

| Cincinnati, May 26.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Roses, Beauties, select                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| " Perles 2.00\(\alpha\) 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| fancy 1.50@ 2 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Callas 6.00@ 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| 8m1(ax. 10.00 g 12.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| and particular transfer and tra |
| St. Louis, May 26.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Roses, Beauties 2 00@20 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| " Brides, Bridesmaids 1.00@ 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Peries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| " Kalserin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Violets, California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Lily of the valley 2.00@ 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| MILWAUKEE, May 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Roses, Beauties per dozen 1.50 @ 3.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| meteors 1 to a 1 to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Carnations 1.50@ 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tulips. 3.00a 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Parontes 4 00@ 5 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Magazine white file file                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Adlantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| BUFFALO, May 26.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Roses, Benuties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| " Brides, Bridesmalds, 4 0560 8 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| " Meteers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Terres hiphens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| " Kalserin 6.00@10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Carnations, white and colored 1 50@ 2 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| " Daybreak and faneles 2.50@ 3.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Paneles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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### C. A. KUEHN. Wholesale Florist.

1122 PINE STREET.

ST. LOUIS. MO.

A complete line of Wire Designs.

C. W. WORSEESESES 2740 Olive Street, ST. LOUIS, MO. FLOWERS .... wholesale....

.....ROSES, and a foll line

Headquarters for the South West ..... 

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## HOLTON & HUNKEL CO.

The Wisconsin Flower Exchange. Fresh Cut Flowers, Florists' Supplies Manufacturers of WIRE DESIGNS

Consignments Solicited.

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# F. KASTING WHOLESALE COMMISSION FLORIST....

495 Washington St., Buffalo, N. Y. Alse Onaler in Florists' Sopplies and Wire Designs

#### Pittsburg.

FLOWER SHOW QUESTION POSTPONED.-TRADE CONDITIONS.—LINCOLN NEFF AND HIS NEW DOWN-TOWN STORE.

The regular meeting of the Florists' Club was called for Monday night but the members were too busy, the bedding plant trade opening up this week with a rush, to attend in numbers sufficient to make a quorum; therefore the decision whether or not to hold a flower show in the fall was postponed until the meeting in June, when it is hoped there will be a full attendance.

The cut flower trade is quiet at present but the school commencement demand will make this branch of trade better for the next few weeks. Stock of all kinds is very plentiful and the quality is first-class Pæonies are coming in freely and are very cheap, \$2 per 100 being the wholesale

price.

Lincoln I. Neff reports business very fair, both at the Sixth and the Butler street stores and is very well satisfied with his experience so far in the downtown store on Sixth street, business there being fully up to his expectations, Mr. Neff attends personally at this location, Mrs. Neff having charge of the Butler street establishment.

WAUKEE, IOWA.-F. C. Carlton has been arrested at Kansas City for swindling J. Wragg & Sons by means of forged orders for nursery stock. Carlton received \$150 in commissions upon orders on which Wragg & Sons lost \$2,000 by reason of the non-acceptance of the shipments.

# Greenhouse Building

Full information regarding building and heating Greenhouses is given in "GREENHOUSE CONSTRUCTION," by L. R. TAFT, Professor of Hortienture, Michigan Agricultural College.

PRICE, POSTPAID, \$1.50.

## "Greenhouse Management"

by the same author, treats of the forcing of flowers, fraits and vegetables under glass; also the propagation and care of house plants; insects, diseases and remedies. 400 pages. Just out.

PRICE, POSTPAID, \$1.50.

(See review in American Florist, page 1173, April 30, 1898.)

#### L. R. TAFT,

Agricultural College (P. O.), - Michigan.

#### FIRST EXCURSION OF THE SEA-SON TO CLEVELAND

via Nickel Plate Road, June 3 to 6 inclusive. \$11 35 for the round trip on certificate plan. Tickets good returning until June 13 inclu-Three through trains daily from Van sive. Buren Street Passenger Station, Chicago. For further information address J. Y. Calahan, General Agent, 111 Adams St., Chi-Telephone Main 3389. (22) cago.

#### CONGREGATIONAL HOME MISSIONARY SOCIETY

meeting will be held in Cleveland, O., June 7 to 9 inclusive, account of which Nickel Plate Road will sell tickets at \$11.35 for the round trip on certificate plan. Dates of sale June 3, 4, 5 and 6 inclusive. lickets good June 3, 4, 5 and 6 inclusive. lickets returning until and including June 13. further particulars address J. Y. Calahan, General Agent, 111 Adams St., Chicago. Telephone Main 3389. (23)

# Going, Going, Gone!

and it's your own fault if you don't get the bargains. Auction Sales of Plants every Tuesday, Thursday and Saturday at 9 A. M. at . . . . .

# McCarthy & Co.'S

you want to buy, send for Catalogues. & you want to sell, write for terms. & & &

#### IT PAYS!

is his name and he draws the crowd. Go and see him—and hear him—at **60 Vesey Street** 

**NEW YORK CITY.** 

You will run up against a lot of your brother florists and you will find plenty of stock there that you can buy and make money on, thus combining business and pleasure, and you will resolve to go

> Every Tuesday and Friday while the Plant Auctions Last ....

## SIGN OF THE RED FLAG.

# Your Spring Plant Trade

will come easier, and be more profitable if solicited in the nice way you can do such things by means of

#### LONG'S

Samples for 20 ets. in stamps.

DAN'L B. LONG, Publisher BUFFALO.

#### **EXCURSION TO CLEVELAND.**

The Nickel Plate Road will sell tickets from Chicago to Cleveland and return at a fare and one third for the round trip on certificate plan, good going June 3, 4, 5 and 6, and good returning until June 13, inclusive, on occasion of the annual meeting of the Congregational Home Missionary Society congregational Home Missionary Society in that city. This rate will be \$11.35 for the round trip, which is somewhat lower than via other lines. Those desiring space in sleeping cars should make early application in order to secure the best accommodations.

Any further information cheerfully given by addressing J. Y. Calahan, General Agent, 111 Adams St., Chicago. Telephone Main 3389. (21)

#### TELEGRAPH CODE

SEED TRADE ASSOCIATION

\$2.00, In either stiff or flexible cover. ADI RESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

For Insurance against damage by hail, Address

JOHN G ESLER. Sec'v. F. H. A., Saddle River. N. J.

AN ENCRAVING

# CHICAGO

IS A CUARANTEE OF SATISFACTORY QUALITY....

Manz makes illustrations for this paper.

#### THE Regan Printing House NURSERY SEED **FLORISTS**

87-91 Plymouth Place. \*\*\*CHICAGO\*\*\*

A LL Nurserymen, Seedsmen and Florists wish-ing to do business with Europe should send for the

## "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Address over 1000 of the best Continental houses. Address EDITORS OF THE "H. A."
Chilwell Nurseries. - Notts, England.

...THE...

## "Lyon=Horticole"

is an interesting review of French horticulture, Issued semi-monthly. 20 8-vo. pages illustrated. Subscriptions to the United States, 1 year, \$2.00; 6 months, \$1.00. Address

DIRECTEUR LYON-HORTICOLE, Lyon-Villeurbanne, France.

FLORISTS' MUTUAL

Application Blanks and Prospectus Ready....

Write now. Delays are dangerous.

W. J. VESEY, Sec'y, - Ft. Wayne, Ind. THE NATIONAL

# Florists Board of Trade

C. S. LODER, Sec'y, 271 Broadway, New York.

## THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaba.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago ran every day.

For farther information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A.,

387 Broadway, New York City,

J. D. McBEATH, N. E. P. A., 6 State Streel, Boston, Mass.

C. S. CRANE, Gen. Pass. & Tkt. Aul., St. Louis, Mo.

American Florist Company's ..

DIRECTORY of Florists, Nurmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY 324 Dearborn St., CHICAGO, ILL.

#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. IBVING ROUSE, Pres.: E. ALBERTSON Vice-Pres. GEORGE C SEAGER, Rochester, N. V., Sec'y and Treas

#### Legislation on Inspection of Nursery Stock.

To the careful observer the multitude of laws recently enacted against nursery pests seem designed especially for the opening of the public purse and the providing of "good lat jobs" for sundry layored citizens, rather than being earnest attempts to meet and overcome the serious dangers which threaten our nurseries and orchards.

The folly of the inspection idea as embodied in the laws recently enacted has been well shown in recent articles by Prof. Smith and others. The vital defect in nearly all these laws is their failure to put the burden where it should be, that is, on the man who ships the diseased or infested stock. They provide a severe penalty for shipments without certificates of inspection, but in many cases no penalty whatever is provided for the sale or shipment of diseased or infested stock.

Every reputable nurseryman is watching his stock with the utmost care and destroying or treating everything infested in the slightest degree, and will ship nothing which is not known to be absolutely free from San Jose scale. Experiments prove that fumigation with hydrocyanic gas will destroy all insect pests. This is a somewhat difficult process for growing stock but becomes a very simple one after the trees are dug. Every nurseryman, therefore, can readily and at small cost make absolutely certain that nothing which he is sending out is infested.

Let a severe penalty, therefore, be provided against the shipment or sale of infested stock and give the buyer, as well as the state, the right of action for recovery of the penalty. Provide for the immediate quarantine and thorough treatment of nurseries in which any stock is infested and for the destruction of the stock, when so badly infested as to be necessary. These provisions will call a halt on the careless and unscrupulous dealer who is really the only one to be feared.

W. X. R.

#### Nashville, Tenn.

The Southern Memorial Day has come and gone with little or no difference to the florist The date observed here was May 19, when Confederate graves were decorated. There is still to be another Memorial Day, the 30th inst., for the Federal dead

The school commencement season is upon us and has given quite an activity

in floral circles. The basket business, which in former

years was such a bonanza to the florist, has been almost entirely done away with, bouquets being used in their place.

Cape passing from the south is now in the market and is quite popular for com-mencements. The quality of roses, Bride and Budesmood is very good for this season. The weather has been very warm and the sun secrebes the leaves, the figuring see e of the stack. There are ctes good Benuties till in the market after good Renuties till in the market and there is a very good call for them. One torist to still a few Harrisii likes. In the sport cheenent decorations hydrapped are being effectively used. Sweet peas to coming in abundantly and need with reach, sale.

A good rougher week broke the drougth which had pressed for some time and

has given a good start to field plants. Funeral work was plentiful during the past week, and several times there was unite a rush.

M. C. Dorris. quite a rush.

Armstrong's

Everblooming

Tuberose & &

A NEW departure in Tuberose growth.

Flower hearing buds continue to form around the old flower stock indefinitely.
Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. a Providence last August, and the Shaw Gold Medal at St. Louis in November.

For Prices and Particulars
...Address...

LUTHER ARMSTRONG,
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#### OUR SPECIALTIES

#### AZALEAS, ROSES, RHODODENDRONS

New and rare hardy plants for forcing. Novelites in Ferns (raised by the largest London grower). The newest and best varieties of roses; it P. and Tea scented. from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New England States.

#### F. Brunton & Co.

IMPORTERS AND EMPORTERS OF NEW AND RARE PLANTS.

136 Boylston Street, - BOSTON, MASS.

#### HARDY

### **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive entalogue and price lists for the trade.

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Bucks Co., PA. MORRISVILLE, -

# Florists' Stock for Bedding

Alternauthera Coleus, Geraniums, Pansics, Daistes, Verbenas, Enchsias, Salvis, etc., etc., Write for prices, Florists when in Milwaukee are ineited to look over our stock

ARCHIE MIDDLEMASS, 1010 Forest Home Ave., MILWAUKEE, WIS.

#### EVERGREENS, Etc.

20,000 American Arbor Vitas, 2 to 8 feet specimens and hedging plants.
5,000 Pyramidal Arbor Vitas, 2 to 4 feet.
20,000 Compacta, Globe and other dwarf Arbor Vitas, 31,000 Nordman's Silver Fir, 1 to 2½ feet.
2,000 European Silver Fir, 2 to 4 feet.
5,000 Hembock Spruce, 1 to 4 feet.
10,000 Norway Spruce, 3 to 8 feet.
10,000 Rethiosperas, Squarrosa, Plumosa, Plumosa aurea and other sorts, 1 to 5 feet.
5,000 Firsh Junipers, 1 to 2½ feet.
1,000 European Silver Fir, 2 to 4 feet.
5,000 European Silver Fir, 2 to 4 feet.
5,000 European Silver Fir, 2 to 4 feet.
5,000 European Silver Fir, 2 to 4 feet.
2,000 European Silver Fir, 2 to 4 feet.
2,000 European Silver Fir, 2 to 4 feet.
3,000 Unglish Holly, 1 to 4 feet.
3,000 Unglish lyy, strong plants, Prices low, Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

THE WM. H. MOON CO., Morrisville, Pa.



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#### JAPANESE PLANTS, BULBS, ETC.

At lowest prices. Small orders filled from experimental garden Columbia Road Dorchester, Mass. Wholesale catalogue, 1898, free to the trade.

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Headquarters for Japan tilles Cycas Revoluta, Morning Glory, all kinds of Japanese plants, seeds etc., etc.
Large assortment algree assortment algree promptly executed.
Write for catalogue.

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Cable Address
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#### 36 First Prizes out of 39 entries in 1896 and 1897. Peacock's **Prize Winning Dahlias**

Send for 1898 illustrated wholesale cata-ogue before placing orders elsewhere.

W. P. PEACOCK, - Atco, N. J.

# Clematis Large Howering, strong young plants of the following leading

sorts....

Jackmann, Henryli, Duchess, Ramona, Mmc. Bullard, Princess, Mmc. Ed. Andre, Superba, Just right for potting or planting up for next Fal-and Spring sales. \$1.00 per doz., \$8.00 per 100...

F. A. BALLER, Bloomington, III.

#### THE AMERICAN FLORIST'S COLOR CHART

ls now accepted as the standard in preparing color descriptions by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Oearburn St. Chicago



#### A LIVE AND RELIABLE CORRESPONDENT

WANTED in every live city in the world. We enable you to deliver flowers by telegraph. A profitable convenience. For particulars, write

C. B. WHITNALL,

438 Milwaukee St., MILWAUKEE, WIS 

#### Helpful Reminders.

Secure yourself now against want for future necessities. All plants which you require for fall and winter propagation should be set aside, most of them in the garden. You can probably arrange with customers to allow them \$1 for a bed of some special variety and in this way provide much of your fall stock without filling your own garden. This method is economical for you and your customer is economical for you and your customer is pleased to save a dollar, but have it understood now.

You should have a trial ground, no matter how small, in which to plant new varieties, or old ones with which you are not acquainted. You must keep posted. Almost every one relies on variegated vincas for trailing vines. Young stock should be planted out now, but try honey-suckles for variety. The variegated honeysuckle, Aurea reticulata, is beautiful and you can get strong roots, nursery grown, for 7 or 8 cents each. Bring into warmth March 1 and you should have a great show by May or June. Save your lobelias, ageratum, white geraniums and centaureas to border scarlet geranium beds with white and blue. You will be asked for some vine that will grow quick and act as a screen. To produce what is wanted with a hardy vine or trailing shrub requires a two or three years' growth, but your customer is impatient and I advise setting out the proper plant at once, providing trellis, and supplying a cobea or two that will answer for this season while the other plant is becoming established. This is the only way of getting along with some customers and is not a bad method.

Always charge 35 cents an hour for job-bing around. You cannot afford to do work poorly and you cannot do it thoroughly at your own expense. Make this a rule and you will increase your trade. You must do your work well, and be careful to give sound advice. A gardener's stock to-day is largely his brains and ability, just as it is with a doctor or lawyer.

C. B. W.

NEW CROP arriving daily, \$150 per 1000. Discount to wholesale jobbers. Prince's Plne. 6c per lb. Headquarters for Galax Leaves. Laurel factooning, 4 to 8c per yd. Laurel and Prince's Plne Wreaths for Decoration Day, made to order. Fine green Moss to bibs, \$100; in sacks, \$5c. Our goods are always the best to be obtained for the money. Prompt attention to all orders. Sead in your orders now for Ferns for Decoration Day and you will be sure to have them.

Crowl Fern Co.

BOSTON, MASS.

You Seen Our Agent? **A Complete** 

Catalogue for Florists. Send for One.

**ELLIS & POLLWORTH** MILWAUKEE, WIS.

John Conley & Son,

Manufacturers of

2 AND 4 DOMINICK STREET,

New York.

BRILLIANT GREEN AND BRONZE

GALAX LEAVES.

For Decorating and all Florists' Designs. CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C. <u> «Մարտանիան արտանան անդարան անձան անձա</u> I SE AN ALLE AL LE ALLE 
# AS LEADERS

IN ALL THINGS

We Lead the Early Closing Movement and take this means to inform our many & &

#### PATRONS AND FRIENDS

that from June 1st until September 1st our store will close at 5 p. m. on week-days, 1 p. m. on Saturdays, and can still execute all orders as carefully and speedily as here-tofore. Yours respectfully,

M. RICE & CO.

IMPORTERS AND MANUFACTURERS OF FLORISTS' SUPPLIES.....

PHILADELPHIA, PA.

# We Don't Quit Work

BECAUSE WE HAVE YOU ALL SUPPLIED WITH DECORATION DAY GOODS.....

We are now ready for June with its weddings, school graduations and college commencements. To the wide-awake, "get there" florist this is one of the most profitable months of the year.

You need fresh baskets, in fashionable designs and modern effects. These we are now opening in new materials and combinations. There is

money in these goods at the prices we shall quote you.

Consignments of New Cape Flowers just received. Ribbon letters, Inscriptions, Cycas Leaves, Cycas Wreaths, Doves and Sheaves.

A Big Assortment. Send for Catalogue.

## BAYERSDORFER & CO.,

50-52-54-56 North Fourth St.,

PHILADELPHIA, PA.



# SMALL GREEN

For use with.... VIOLETS

Work up beauutiflly. Stiff, wiry stems. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

HARLAN P. KELSEY, 1150 Tremont Bldg.,

quet green, Moss (sphagnum green), Laurel Roping, Xmas es; everything in the green line ays in stock at

H. E. HARTFORD'S, 18 Chapman Place. BOSTON.

## Boston



This wooden box nicely stained and varnished, t8x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, \$2.00. Script Letters, \$4 Fastener with each letter or word. Tiget by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

Mention American Florist.

#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION. JEROME B. RICE, Pres.: E. B. CLARK, 1st Vice res.: S. F. WILLARD, Wethersfield, Conn., Sec.y

August Rhotert, of New York, is making a western trip.

LIMA BEANS for contract show even more advance in price than the common garden varieties.

CHAS, F. MUTH, seedsman, of Cineinnati, and prominent there for twenty-five years, died last week.

RECENT advices from the blue grass region of Kentucky indicate that the new crop will probably be from 25% to 40% less than last season.

The seed tests to be made by the United States Department of Agriculture after July 1, are likely to become of serious interest to the trade.

Visited Chicago: W. J. Langbridge, Harry II. Hammond, who will locate at Bay City, Mich.; A. J. Joiner, of the Boston house of Jos. Breek & Sons' Corpora-

THE American Seed Trade Association will hold its sixteenth annual meeting at Old Point Comfort, Va., beginning Tuesday, June 14. A good attendance is expected. Full particulars as to routes, etc., can be had on application to Secretary S F. Willard, Wethersfield, Conn. A rate is made from New York City of \$13 for the round trip, with a thirty day limit. Western members not going via New York are recommended to use the Clesapeke & Ohio R. R.

#### Buffalo.

TRADE QUIET .- A CLUB MEETING AT CORFU ADOPTS THE SCHEDULE FOR THE CHRYS-ANTHEMUM SHOW .-- NOTES OF FLOWERS AND PEOPLE.

Trade was quiet during the past week while flowers were plentiful, roses on Saturday being almost a glut at the wholesale houses.

The florists went to Corfu Thursday, had a fine time and transacted some important business. On arrival Wm. Scott had dinner for all at the dining rooms of Mr. Taylor, after which the guests jour-neyed to the greenhouses of T. A. Webb. Many were surprised at the extent of his glass and complimented him on the gass and complimented him on the appearance of his place. The party was then taken to Mr. Scott's greenhouses and were shown the Genesee, Pingree and Jubilee. The Genesee were grand, and he may well feel proud of his stock. The meeting was then called to order by President State. dent Scott. Those present were D. B. Long, W. T. Kasting, S. A. Anderson, Wm. Legg, P. Scott, A. Scott, W. A. Adams, S. J. Rebstock, A. C. Wasson, W. W. Bench, L. L. Cook and our genial friend George Lancourt of Wilkesbarre. The club adopted with a few amendments the schedule of the chrysanthemum show as repeated by the committee. Other business of minor importance was dispatched before the meeting adjourned.

The show made in the different stores last week was a credit to all and showed plannly that new times large windows and good stool will be the only things seen in Buffalo from now on.

American Beautics are not as good as they were a week ago. Tally of the valley and sweet peas are in large supply. Mr. and Mrs. George, Larrouit, of

Wilkesbarre, were here for several days last week. Mr. Kasting gave them a drive around the city and out to see Prof. Cowell at South Park.

#### Lawn Mowings.

In reply to your correspondent "R. U.," it is rarely necessary to use a gathering box on lawn mowers before the middle of August and during September and October, when the reduced sun power and heavy dews prevent the mowings from withering promptly. At those times the grass is apt to lie around in tufts all over the lawns and prove decidedly slovenly in appearance. On small lawns the rake may be used, but it is not a satisfactory tool, because it pulls over the coarse grasses, and gives the whole surface the appearance of a horse whose coat has been curried the wrong way.

Trenton, N. J. James MacPherson.

For a good clean lawn, healthy well grown grass is a necessity, and it is fair to presume that such treatment is sought which will maintain the quality. It is a common practice to sow oats with grass seed in making a new lawn, but it is best to give all the light and nutriment possible to the young seedlings and not oblige them to crowd their way between leaves that are not desirable. What is true of weeds or grain is equally true of grass where strewn over the growing plants. All other necessary conditions provided, remove the clippings as early as possible; but many lawns are benefited by allowing the elippings to remain, and in such eases it seems to be the least of two evils. I think this answers the question as explicitly as it has been put, but will extend reasoning further if desired.

# TO IMPORTERS!

HAERENS BROS. From SOMERGEM near Ghent, Belgium

SPECIAL Growers and Exporters of Azaleas, Palms, Arancarias and other decorative plants, take pleasure to inform you that their Mr. Aug. HAERENS is now on his annual visit through the United States. The stock he offers is mmense, of best quality and at most reasonable prices. Their New Azaleas will be the lavorites of the future. Write for price list and special offer.

AUGUST HAERENS CART OF ... 66 Beaver St., New York City.

### CLUCAS & BODDINGTON CO.

Importere and Exportere of

## Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST., NEW YORK CITY

Send for quotations on all Florists' Bulb Stock.

BEST OF ALL' TOMATO "ENGLISH" MELONS

FLOWER SEEDS FOR FLORISTS
Catalogues on application.

WEEBER & DON, Seed Merchants and Growers, HII Chambers St., Ne.W. YORK, N. V.

# SEEDS LAWN GRASS \$12.00 per 100 lbs.

J. CHAS. MCCULLOUGH, SEEDSMAN, Second & Walnut Sts., Cincinnati, O. Sense for thostrated Catalogues.

"A good ad, is like the kiss of the sun that brings the daisies above the ground,"-Marco Morrost.

There's as much truth as poetry in the above quotation, and I trust there's more truth than poetry in the advertising of Yours truly.

G. C. WATSON.

I try to make my ads. good—that is: ruthful and attractive, and I find the response abundant and sure. My advertising pays me well because my interest in my customers does not begin and end with, "please remit." If my goods don't pay my customers to handle, I would rather not sell them. I want no one-sided trading sell them. I want no one-sided trading.

## My Bid for Bulb Orders:



LONGIFLORUM PURE STOCK . SOUND AND WELL RIPENED.

Let's see how many "daisies" this one will start!

I have 3 sizes Japan Longiflorum-5 to 7, 7 to 9, and 9 to 10 inches, but as the large size is in short supply, I can book same only when some of the other two are taken, and I advise early orders, as there is a run on the Japan Stock this year. Delivery September 25th to October 15th, 1898. Prices guaranteed. will be pleased to have a list of your wants in this item; also in Harrisii, Romans. Paper Whites, Dutch Bulbs, Valley, etc. Let me hear from you. All "daisies," large or small, receive the same careful attention. Address all communications to Juniper and Walnut Sts, Philadelphia, Pa.

G. C. WATSON.

# Seed Stores and Flower Stores. can profitably bandle our ODORLLSS PLANT FOOD. Write for the strumonal leaflet and free sample. We furnish Pure Bone Meat for florists use, tourranteed analysis. Write for sample and prices. Write for sample and prices. THI WAIKER FERTILIZER CO.

∰ Clifton Springe, N. Y. ~ක්කුක්කරටටටමන්ක්ක්ක්ක්ක්ක්ක්ක්ක්ක්ක්ක්ක්

#### BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners. \*\*\*\*\*\*\*\*\*

IT DE LOGICE BUSINESS POLLY TO MENTION MERICAN FROMIST WHEN YOU WHITE TO

# DECORATION FLOWERS

**FLORISTS** HAVING A SUR-**PLUS** OF FLOWERS 0F ANY KIND CONSIGN TO US.

# In Abundance!

All leading varieties of Roses, Carnations, Paeonies, Lilies, Sweet Peas, Tulips, Lilac, Valley, Daisies, Gladioli, Mignonette, Narcissus, Pansies, Asparagus, Smilax, Ferns, Etc., Etc. &

GIVE US YOUR **ORDERS EARLY** AS POSSIBLE

# VAUGHAN, MCKELLAR & WINTERSON,

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RAFFIA BEST QUALITY. LONG MADAGASCAR Notwithstanding the higher market on this item 1 am still offering at the old figure so long as present stock lasts

In bale lots (about 225 lbs.) at 8c 100 lbs. or over at. 9c 50 lbs. or over at. 10c 25 lbs. or over at. 11c 10 lbs. or over at. 12c Less than 10 lbs. at 15c per lb., f. o. b. Phila.; net terms and subject unsold on receipt of order.

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Grafting Wax

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Grafting Wax

Irowbridge's Celebraled Grafting
Wax, the genuine article, 1 lb. bars
at 19c; ½ lb. bars at 29c; ½ lb. bars
at 21c; per pound. Rebates: 10 lb.
lots, 5 per cent; 25 lb. lots, 10 per
cent; 50 lb. lots, 15 per cent; 100 lb.
lots, 20 per cent. Address all orders
and correspondence to Juniper and
Walnut Streets, Philadelphia, Pa.

G. C. Watson,

Seedsman.

Of Florists, Nurserymen and Seedsmen or United States and Canada arranged both by States and Post Offices and All Names ALPHABETICALLY.

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Price Two Dollars. In Flexible Leather Binding, Three Dollars.

American Florist Company 324 Dearborn Street,

Chicago, III., U. S. A.

We are growers and sell at growers' prices.

Stock guaranteed The White Japan Lotus The finest of all Nelumbaums. Flow-ring tubers, 90e each; \$8.00 per doz.

AMERICAN LOTUS. \$20.00 per 100.

NYMPILEA WARLIVCE E CHROMATELLA 25.00 per 100.

NYMPILEA ODORATA 8.00 per 100.

NYMPILEA ODORATA ROSEA 25.00 per 100.

All other stock in proportion. We have every Water Lily and Aquatic worth growing. Catalogue free.

GEO. B. MOULDER, Smith's Grove, Ky.

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HYACINTHS, TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO.,

Hillegom, Holland. American Representative

L. C. BOBBINK, Rutherford, N. J.

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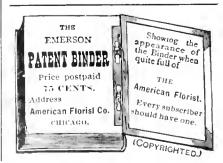
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...SEED...

Greatly improved and well-known to be of extra fine strains. Packets put up specially for Florists, of best single and double varieties. 400 seeds \$100. Plants ready in August Cineraria seed of large flowering dwarf varieties in choicest mixture, pkt, 25c; 6 pkts., \$100. Primula Obconica, pkt. 1000 seeds, &c. Primula floribunda, fine yellow, pkt, 25c.

IOHN F. RUPP. -Shiremanstown, Pa.





#### Hail Notes.

Hail losses are reported from Park Ridge, Ill.: Mechanicsburg, Pa.; Abilene. Kan.: Franklintown, Md.: lowa City, Iowa: Madison, Wis.: Oconomowoc. Wis.: Rockford, Ill.: Muncie, Ind.: Marshalltown, Iowa, and Colorado Springs, Colorado. The Florists' Hail Association will be called upon pay over \$7,000 to policy holders in these cities.

TORONTO, ONT. - The Public School Board has let the contract for its spring supply of bedding plants to Miller & Son. of Bracondale, for \$205, or about two cents per plant.

From 2-inch pots, good stuff, per 100, \$5.00......

CANNAS A good line.

CANNAS A good line.

Ficus Elastica, true, large leaf variety, 6 inch nots, 20 inches high or 50c each.

Crimson Rambler Roses, extra fine, bushy plants, in 4-inch pots, will soon bloom, per dozen, 32,00; per 100, 515,00.

Cycas Revoluta, dormant stems, size from 3 to 10 lbs, 25 ib ots 12c lb., 100 lb, lots, \$10.

Clothide Soupert, the great pot rose, our stock is A No. 1, 2-in, or \$3,00; 2c-in, or \$4,00; 3-in, or \$6,00; 2c-in, pot phants, in named varieties, per 100, \$5,00.

Pelarooniums Mme, Thibaut, Mrs. Robt, Sandiford.

Pelargoniums Mme. Ihibaut, Mrs. Robt. Sandiford. Edward Perkins and Dorothy, strong 3-inch stock per doz. \$1.50; per 100, \$12.00. For Carnations, Chrysanthemums, send us your list; we have ad kinds.

H. P. Roses, dormant 2 year extra fine stock (a. \$12.00 per 100. Clematis, Ampelopsis Veitchi, Hollyhocks, Propines Hydrangeas P. G., etc., we have in large quantities; write us for prices.

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Tuberoses... Dwarf Excelsior Pearl, strictly first size. \$ .85 Second size.

All bloomers, 3000 for \$9.00.

Tall Double first size.

Variegated Leaved first size. 3.50 1.00 10.00

Also a good stock of Caladium Esculentum, Begonias, Gladiolus, etc., at close prices ......

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CHICAGO: Creenhouses: Western Springs, III. 84-86 Rendolph St.

large plants of Bougainvillea glabra (\*) and glabra Sanderiana, these are in 8 to 12 inch pots and now in full flower, which will be cut this coming These plants can have all the soil shaken off and be shipped at proportionately low cost. Write for

THEO, F. BECKERT, GLENFIELD, PA.

We mail 7 plants of above for \$1.00.

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## Good Stock! Low Prices!

CANNAS Strong plants of Alphonse Boudale, Paul Marquant, Wm. Elliott Bisson, Sec. Stewart. Flamboyant. \$4.00 per 100; \$55.00 per 1000.

COLEUS Crimson Verschaffeltii, Golden Queen and Golden Bedder, \$2.00 per 100; \$18.00 per 1000.

Geraniums Double Gen. Grant and S. A. Nutt. 21,2-inch pots. \$3.00 per 100; \$28.00 per 100; extra good, 4-inch pots. \$7.00 per 100; \$65.00 per 100. Cobra Scandens, 4-inch pots . . . . . \$6.00 per 100.

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KEAP STREET GREENHOUSES. BROOKLYN, N. Y.

# Asparagus Sprengeri

50,000 Piants in 21<sub>2</sub>-inch pots, \$5,00 per 100, express; 24 for \$4,50 by mail. Specimens for 8-inch pots, \$6,00 to \$12,00....

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## Rose Hill Nurseries

ARGAST Growers of Palms, Orchids, and tree above plants, berns.

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IN VARIETY

Rothschild. Hawkeri, Interruptum. Evansianum. Rubra Linenta, Andreanum, Aurea Maculatum and others, suitable for bedding. Fine plants in 3-meh pots, \$2.00 per doz. New and rare varieties, 50 cents each.

Aurea Maculatum, extra fine plants in 4-in. pots, \$2.50 per doz.; \$15 per 100; 3-inch pot plants. \$2 per doz.; \$12 per 100; thumb pots, \$1 per doz.; \$6 per 100.

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Money Order Office, Station H. Phila.

Florist. CHESTNUT HILL. PHILA., PA.

## FINE PAI

#### ARECA LUTESCENS

3 plants 5-in, pot 18 to 20-in, high, per 100, \$40,00-3 plants, 10-in, pot, 48 to 50-in, high, each... 4.00 1 plant. 2 in, pot, 8 to 12-in, high, per 100, 5.00

#### **COCOS WEDDELIANA**

| 1 | plant, 4-in. |                        | .50  |
|---|--------------|------------------------|------|
| 1 | plant, 5-in. | pot, 24-in, high, each | . 75 |
| 1 | plant, 5-m.  | pot, 30-in. high, each | 1.00 |

#### KENTIA BELMOREANA

24. in., 3 leaves, 10 to 12-in, high, per 100... 3-in., 4 or 5 leaves, 15 to 18-in, high, per 100... 5-in., 4 to 6 leaves, 20 to 24-in, high, each.... All measurements from top of pot.

JOSEPH HEACOCK, WYNCOTE. Mention American Florist when writing.

#### STRONG STOCK TO POT ON NOW. JOHN H. LEY.

COOD HOPE. - WASHINGTON, D. C.

COOD HOPE, - WASHINCTON, D. C.

Offers clean well rooted plants as below:
Per 100.
Areca Lutescens, 2 ft. thick, 4-inch. \$25.00
Orange Trees. 2 ft., full of green fruit, 5-in, pots. 25.00
Phoenix Reclinata, 4-inch pots. \$5.00
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Phemix Reclinata, 2-inch pots. \$5.00
Ferns, from flats, 8 good sorts, mailed 1.25
\$10.00 per 1000 by express.
Per dozen.
Oreodoxa Regla, 5-inch, 3 in a pot, (Royal Paim)
3 to 4 feet high \$8.00
Phemiclopolorium Sechellarum, 4-inch, nice plants
of this rare palm. \$2.00
Lomaria globa, 4 inch. \$1.00
Nephrolepis d. furcans, 5-inch, extra large, \$5.00
Pandanus l'fills, 5-inch, extra large, \$4.00
Well packed. Cash with order.

Asparagus,

Sprengerii 85.00 per 100 Seedlings

American Rose Co., Washington, D. C. 

CYCAS REVOLUTA. The true, long-leaved variety. Freshly imported, dormant stems. Run from 6 to 9 to 10 fbs. each. Note the price: 10c, per 10b, \$8 per 100 fbs., \$75 per 1000 fbs., \$10 per 100 fbs., \$75 per 1000 fbs., at 1000 rate; 500 fbs. at 1000 fbs. at 1000 rate; 500 fbs. at 1000 f

## UNITED STATES EXOTIC NURSERIES

(Formerly Pitcher & Manda.) SH RT HILLS. N. J. Wholesale Caralogue Palms & Fernson application.

# Now Ready

American Florist Company's DIREC-THE American Plotist Company's Insection of the United States and Canada arining d both by States and Post Offices and all names Alpinabetically. Fully revised to date with upwards of 3,000 New Names. Price § 00 in flexible leather binding, §3.00.

#### American Florist Company,

321 Dearhorn St., Chicago, Hi., U. S. A.

#### SPECIAL OFFER DREER'S ...OF...



We offer the following leading varieties, established plants, in 3 inch pot

|                                      | Ħ.   | 100.   |                                     | ft. | 100·   |  |
|--------------------------------------|------|--------|-------------------------------------|-----|--------|--|
| Alphonse Bouvier, crimson            | 5    | \$4.00 | Florence Vaughan, spotted vellow    | 4   | \$5 UH |  |
| Amie P. G. Pegeaux, pomegranate      | 31 2 | 6 00   | Geol. St. Hilaire (brouze), searlet | 41. | 4 00   |  |
| Beaule Poitevine, rich crimson       | 3    | 10 00  | J. C. Vaughan (bronze), vermillon   |     | 4 00   |  |
| Baron de Sandrans, light yellow.     | 315  | 4 00   | Mme. Crozy, scarlet, gilt edge      | 31. | 1 00   |  |
| Chas. Henderson, crimson             | 3 -  | 4 00   | Mme. Pichon, yellow striped         | 3   | 4 (10) |  |
| Comte Bouchaud, yellow spotted.      |      | 4.00   | Madagascar, spotted oebre           | 31  |        |  |
| Columbia, rich erimson               | 3    | 10 00  | Pres. Chandon, deep orange          | 31. | 4 00   |  |
| Deuil St. Greyv (bronze), orange red | 5    | 4 00   | Papa, fine cherry red.              | 3   | 1 00   |  |
| Egandale (bronze) cherry red         | 4    | 4 00   | Queen Charlotte, scarlet, gilt      |     | 1 007  |  |
| Explorateur Crampbel, ordinge        | 4    | 4 00   | edge                                | 3   | 5.00   |  |
| Furst Bismarck, intense crimson.     |      | 6.00   | Souv. d'Antoine Crozy, gilt edge.   |     | 6.00   |  |
|                                      |      |        |                                     |     |        |  |

We call special attention to the following "sets" of new varieties. They are all of great merit and should be tried by everyone interested in Cannas;

#### Select Set of Six New Cannas for 1898.

Goliath, the fluest crimson extant.
J. O. Eisele, vermilion searlet.
Furst Von Hohenlohe, the best yellow.
One each of the above six for \$3.00.

#### Set of Eight Best Italian or Orchid Flowered Cannas.

This set is the "cream" of over 30 varieties introduced last year at \$3.00 to \$5.00 each. America, orange salmon, feathered and veined searlet, bronze foliage, 35c, each Allemania, light and dark salmon, golden markings, flowers immense size; 36c, each. Alrica, orange salmon, deepening to scarlet, rich bronze foliage; 30c, each. Asia, bright yellow with red spots in threat; 30c, each. Aphrodite, salmon, edged and feathered light yellow; 30c, each. La France, similar to America, hut with darker foliage; 30c, each. Pandora, salmon, marbled with searlet, bronze foliage; 30c, each. Give a yellow, with red dashes, very large flower; 50c, each. One each of the eight varieties, \$2.00.

Set of Six Best of Crozy's Introduction - Depute Ravarin, rich garnet. Mme. Leon Leclerc, scarlet, tipped and edged gold. Jos. Combet, velvety cardinal. R. Pearson golden, dotted red. Mme Favrichon, carmine, with orange sheen. Sec Chabanne, rich salmon, distant shade, 35c, each, or the set of six varieties for \$2.00. Full descriptions of the above found on pages 26 to 29 of our current Wholesale Catalogue.

HENRY A. DREER, 714 Ghestnut St., PHILADELPHIA

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Wholesale Cut Flowers and Florists' Supplies 88 WABASH AVENUE, CHICAGO, ILL.

Long Distance 'Phone, Express 466.

We quote as follows for the week of May 23, 1898;

| P. AND D. AT COST.          | PRICE PER<br>HUNDRED. |
|-----------------------------|-----------------------|
| Am. Beauties, medium        | 5 to 8                |
| ** tancy, fair length       | 8 to 12               |
| " long stam                 | 15 to 25              |
| Metaors, extra select       | 4 to 6                |
| Brides, Maids, extra select | 4 to 6                |
| Parles, extra salact        | 3 to 5                |
| Roses, our selection        | 3.00                  |
| Carnations, extra select    | 2 to 3                |
| " good, avarage stock       | 1.50 to 2.00          |
| " Whita                     | 2 to 3                |
| Harrisii                    | 7 to 8                |
| Callas                      |                       |
| Valley                      | 2 to 4                |
| Cape Jessamine              | I to 2                |
| Narciasus                   | I to 1.50             |
| , " double                  | 2.00                  |
| Smilax                      | .15                   |
| Adiantum                    | .75 to 1.00           |
| Asperagus, per atring       | .40 to .50            |
| Bougainvilleas, par spray   |                       |
| Calax                       |                       |
| Common Farns2.50 per M      | .30                   |
| Common Ferns, 500 et M rate |                       |
| Marguerites, White          | .40 to .60            |
| Marguerites, Yellow         | .60 to .75            |
| Iris                        | 2 to 4                |
| Tulips                      | 2 to 5                |
| Pæonias, axtra quality      |                       |
| Pæonies, Com                | 3.00                  |
|                             |                       |

Above prices subject to change without notice. All flowers in season at lowest market rates. FLORISTS SUPPLIES and WIRE WORK a specialty. On WIRE GOODS we can discount of the OWN OR ANY OTHER LIST. Write for particulars. Store open week days until 6:30 p, n.; Sundays and holidays until noon only.

Respectfully yours,

KENNICOTT BROS. COMPANY

Please Mention The American Florist



Prices...

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FANCY FORCING STOCK

# ALL BULBS

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We average very early deliveries.

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## To Seedsmen, Nurserymen, Florists, Landscape Gardeners and others:

The extensive collection of Foreign Grape Vines of our manager, Mr. John G. Gardner, has been transferred from Jobstown, N. J, to our Nurseries at Stoke-Pogis, Pa., and all orders can now be promptly filled by addressing the undersigned. Descriptive catalogue mailed on application. Those in the trade having wealthy clients, with hot or cold graperies, can pro-cure for them, from this collection, the latest and best acquisitions, as well as the standard sorts. On and after JUNE 15th the plants will be ready to ship in pots, well-established, and in first-class condition.

#### STOKE-POGIS NURSERIES. JUNIPER AND WALNUT PHILADELPHIA.

G. C. WATSON, General Agent.

#### Annex Paying Customers....

THE AMERICAN FLORIST 🧈 A Peerless Drummer. 🚜 🧀

#### Outdoor Propagation of Roses.

Will some one kindly tell me through your columns, the best way to propagate sees outdoors? S. J. Y.

In the extreme south many florists consider layering the most satisfactory method for outdoor propagation of roses, and in a climate where the rose makes such vigorous growth in a season this system certainly has much to recommend it. Where there is abundant growth suitable for layering it would be no difficult task to propagate and have ready for sale in a very short time any quantity of large salable plants. The southern florists salable plants. The southern florists usually layer directly into pots; they are plunged deep into the soil all around the plant that is to furnish the layers, as many pots as there are available shoots. When they are all in position (and full of soil) a stout stake is put down firmly outside of but close to each pot, the shoots are bent over, a slit is made on the under side directly above the pot, the part cut is pressed down into the pot, covered with soil, and pegged down to hold it secure; the operation is completed by tying the end of the shoot to the stake. It is not a very difficult feat and need not necessarily consume very much time, besides if the weather is at all favorable success is reasonably certain. In a short time the shoot will have thrown ont roots immediately above the cut and it can then be severed from the parent plant. The work is always done in the early fall, as soon as the wood is mature and climatic conditions are favorable. Cuttings of outdoor roses are sometimes rooted in a cold frame with just enough protection to keep off the strong sunshine, drying winds, and freezing cold. For the state of Georgia the early part of October would probably be the best season to put in the cuttings. This is a time honored mode of propagating, but for rooting hardy roses, either north or south, I would recommend in preference a hotbed and the summer months for the work. All that is required is a good deep frame facing north, plenty of stable manure, good sash and movable shade. Fill the frame with manure almost up to the glass and tread it thoroughly; cover with three inches of clean coarse sand; when the bottom heat registers 90 with a tendency downward put in cuttings, water thoroughly the first time, afterwards sprinkle and water as often as may be needed to preserve the foliage crisp and tresh Keep frame close until roots begin to form; a little air morning, and evening to carry of excessive moisture will be suthcient. Shade whenever sun shines, but at other times give full benefit of the light Cotton cloth stretched on a frame gives about the right amount of shade and it it is suspended some distance from the glass so as to allow a circulation of air between the two, it will help materially in keeping down the temperature. With good cuttings from fairly well matured wood and good attention, a frame of this kind will root from eighty to one hundred per cent, according to variety. After porting, the plants should have the same treatment as regards shade, light and air for a few days as recommended for the cuttings

FORT SIMPSON.

Limber, N. V. Grove P. Rawson is editing for the Advertiser a department of horticulture which is attracting wide attention among amateur florists. In his column Mr. Fawson gives practical advice upon the culture of plants

#### YOUNG

# ROSES

**PLANTS** 

ALL STOCK SENT **OUT IS FIRST-**CLASS IN EVERY RESPECT.

| From 21/2-inch Pots |        |          | Per 100 | Per 1000 |
|---------------------|--------|----------|---------|----------|
| AMERICAN BÉAUTIES,  | Rooted | Cuttings | \$5.00  | \$40.00  |
| BRIDES              |        | **       | 3.00    | 25.00    |
| BRIDESMAID          | . 4    |          | 3.00    | 25.00    |
| METEOR              | * .    |          | 3.00    | 25.00    |
| KAISERIN            |        |          | 3.00    | 25.00    |
| PERLE               |        |          | 3.00    | 25.00    |
|                     |        |          |         |          |

TERMS CASH WITH ORDER.

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO

# 40,000 FIRST QUALITY FORCING ROSES

Fully equal to those sent out the last six years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating. Wooton, La France, American Beanty, President Carnot, 3-in. pots, \$8 per 100; 4-in. pots, \$12 per 100. Meteor, Kanserin, Sunset, Bon Silene, Mernet, Perle, Goutier, Bridesmaid, Belle Siebrecht, Mme. Haste, Niphetos, Bride, 3-in. pots, \$7 per 100; 4-in. J. L. DILLON, Bloomsburg, Pa.

OWN ROOTS & DORMANT & & FIELD GROWN

#### IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feet, cut back to 2 feet Yellow Rambler (Aglaia) Hybrid Perpetuals,

Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

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Not cullings, but clean, strong, well grown stock and guaranteed free from all disease.....

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#### AMERICAN BEAUTY

Fine young plants, healthy and strong,  $2^{k_2}$ -inch pots, \$8.00 per 100; \$70.00 per 1000.

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, Ith order. PHILADELPHIA, PA. Money Order Office, Station 11, Phila.

# ROSES FOR WESTERN GROWERS

Benoties, Brides, Maids, Meteors, Wootfons and Perles, 20g. 3 and 1-in. Strong, clean, and Perles, 2%, 3 and 1-in. Strong, clean, healthy stock, cheap for cash, to clean up. If you want good stuff at prices to said write us for prices at once. Address...

J. N. KIDD, Florist, St. Joseph, Mo.

## Rose Plants...

Line Bride, Bridesmaid, Perle, Sunset and Meteor,

2 - meh Rose pots ... \$3.00 per 100, 3 meh pots standard . ... 5.00 per 100

W. J. & M. S. Vesey, FORT WAYNE, IND.

NOW READY! The American Florist Company's DIRECTORY of Florists, Seedsmen and Nurserymen of the United States and Canada Price \$2.00 In Flexible Leither Binding, \$3.00....

AMURICAN LUORIST COMPANY, .124 Dearborn St., Chicago, III.

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**NEW PINK FORCING ROSE** 

Winner of 6 certificates, medal and silver cup. \$3.50 per doz., \$25.00 per 100. A fine stock of young chrysanthenums and car-nation. Send for trade list describing above in detail.

H. WEBER & SONS, Oakland, Md.

FROM 2 1-2 INCH POTS.

Strong, thrifty, well established plants. General price \$4.00 per 100. Extra fine lot of Crimson Rambiers.

Jackson & Perkins Co. NEWARK, NEW YORK.

## ROSES..

2-in, per 100 3-in, per 100 \$...\$5.00

Am. Beauties . . Perle . . . . . . . \$2.75 4.50 Bridesmaid ... 2.75

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

## Memorial Rose

(Rosa Wichuriana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON, MORRISVILLE, Bucks Co., PA.

# 2-YEAR-OLD ROSES

CARNATIONS, \$2.50 per 100 from 20<sub>2</sub>-anch pots. Scott, Portin. Metiowan; also all young roses and general stock.

THE NATIONAL PLANT CO.

#### Do You Need Young Rose Stock

for planting, out of 3 in. pots — A dollar more on the hundred is nothing if you get better stock—Send size or \$1 M in stamps for samples of what you want to

GEO. A. KUHL, .... PEKÍN, ILL.

#### The Omaha Convention.

Preparations are advancing smoothly and if the low rates of fare which are confidently expected should materialize, there is no reason why the Omaha meeting should not be the equal of any of its predecessors in interest and value. The local florists, although not primarily responsible for the selection of Omaha as the convention city, are fully aroused to the importance of the occasion and will not be found lacking in those hospitable qualities that characterize the profession in all places and at all times. They look forward with keen anticipation to the approaching visit of their fellows from other sections of the country and are prepared to give a good account of themselves as generous hosts. A bowling club has been formed and a challenge to the expert bowlers of other cities is about to be issued. Eleven of the Omaha florists have become members of the National Society since May 1.

The representatives of the executive committee of the S. A. F. found the ideal meeting place in the First Congregational Church, which has been selected as the headquarters of the society. The audience room is a beautiful place, spacious and luxuriantly furnished; parlors and reception rooms are connected with it, and the basement, 48x72 feet, will accommodate a moderate sized exhibition nicely. A rearentrance on the same grade as the basement gives convenient access for exhibits and there are plenty of suitable tables at the disposal of the society. The church is on the corner of 19th and Davenport streets, in one of the most attractive residence sections of the city and conveniently reached from all points.

Manufacturers and dealers in florists' requisites and equipments in the large eastern centers will make a great mis-take if they do not take full advantage of this opportunity to get into communication with a new clientage. Many florists will be present on this occasion who have never heretofore visited a tradeexhibition or had an opportunity to examine the latest devices and improvements in green-house appliances, and a valuable trade is bound to come to those who make the effort to open up this new and rapidly developing market for their goods. It is safe to assume that no previous convention has been favored with a more deeply interested and interesting local attendance than that of next August.

The matter of railroad rates is still under consideration and there is good reason to expect that in a few days it will be possible to announce the most favorable terms ever granted to the S. A. F. for its convention. The railroad officials, as well as the managers of the great Trans-Mississippi Exposition understand that upon a liberal policy in the matter of transportation will depend much of the success of the undertaking, and they will, without doubt, see that everything is done that can possibly be done to insure a large attendance.

W. J. STEWART, Sec'y.

#### Meadville, Pa.

August Krueger has enlarged and remodeled his down-town flower store, and contemplates making extensive additions and alterations about his greenhouses, while a handsome and spacious conservatory will be added to his store.

Henry Krueger, who succeeded Ehrgott Bros. at Conneaut, O., reports a good trade all along the line. Two green-houses for miscellaneous stock will be built during the coming summer.

#### Waterbury, Conn.

Improvements of one sort or another seem to be the order of the day and, such being the case, it goes without saving that business is brisk.

Alex. Dallas has again touched up his store, the improvement consisting of a handsome ice box with mirrored walls, and the introduction of electric lights, both in his store and in the adjoining conservatories.

Mr. Dallas' already extensive plant will soon be enlarged by two additional rose houses, one of which will be 21x150 and the other one 21x50. I hardly need add that up-to-date methods will be followed. A feature to be introduced is solid stone beds instead of the usual benches. These beds instead of the usual benches. will be constructed in a way to insure

perfect drainage. A sight well worthy of seeing is Mr. Dallas' specimen Arecalutes-cens, Pandanus utilis and Pandanus Veitchii. The latter two are especially attractive, being decidedly the finest specimens of their kind I have yet seen, veritable giants with not a flaw or blemish to be found on any of the leaves. His American Beauties, Brides and Bridesmaids are

R. S. Rasmussen reports trade good. He is cutting some fine carnations and roses, for which he finds a ready demand. It is likely that Mr. Rasmussen will make some alterations about his greenhouses.

Lake Preston, S. D.—S. L. Keith, a practical nurseryman, has been employed to lay out the new city park.

# ORDER AT ONCE AND SECURE STOCK

CHRYSANTHEMUMS

Rose Owen, J. H. Woodford, Dorothy Devens, G. F. Atkinson, Golden Trophy, T. B. Morse, Pres. McKinley, Western King, The Herriott, Surprise, Marcia Jones, Elvena, Miss Helen Wright, Belle of Castlewood, Chito, C. W. Ward, Mrs. S. T. Murdock, 75 cts. per dozen; \$5.00 per 100. Glory of Pacific, Maud Dean, Mrs. R. Crawford, W. P. Raynor, Modesta, Lenawee, Pride of Castlewood, Bonnaffon, Ivory, Ruth Ellis, 50 cts. per dozen; \$3.00 per 100, Frank Hardy, T. H. Spaulding, Mrs. O. P. Bassett, The Yellow Fellow, Madeline Pratt, Mrs. C. H. Peirce, Merry Christmas, 35 cts. each; \$3 00 per dozen. Snow Queen, Pennsylvania, 50 cts. each; \$5.00 per dozen. W. H. Chadwick, \$1.00 each; \$5.00 per dozen.

Mayor Pingree, \$5.00 per 100.

Mayor Pingree, \$5.00 per 100.

Mayor Pingree, \$5.00 per 100.

CANNAS
Pres. McKinley, Defender, Pres. Cleveland, Tarrytown, 60 cts. each; \$5 00 per dozen. Ami Pichon, Paul Marquant, J. D. Cabos, L. Balley, Florence Vaughan, \$2.50 per 100. Eldorado, A. Billard, Count de Bouchard, \$4 00 per 100.

For full description send for our 1898 wholesale list.

THE COTTAGE GARDENS, Queens, N. Y.

## CANNAS

In extra fine strong plants from 4 inch pots

## **CANNAS**

Duke of Marlboro, Defender, Pres. McKinley, 50 cents each; \$4.50 per doz. Gloriosa, Philadelphia, Alemannia, America, \$2.00 per doz.; \$12.00 per 100. Flamingo, Pillar of Fire, Robert Christie.......\$1.75 per doz.; \$10.00 per 100. Columbia, Mrs. Fairman Rogers, Golden Queen, \$1.25 per doz.; \$7.00 per 100. Alphonse Bouvier, Austria, Chicago, Egandale, Florence Vaughan, Italia, J. D. Cabos, Mme. Crozy, Paul Marquant, Queen Charlotte, Rosalind at \$6.00 per 100.

CHRYSANTHEMUMS
All the new and standard varieties in A-1 stock ready for planting, including Alice F. Carey (pink), Dolores (yellow), Miss G. Vanderbilt (white), Robt. G. Carey (white), Spotswood (yellow), Frank Hardy and Mrs. H. Weeks, all at \$20,00 per 100, net, for cash.

JOHN N. MAY, SUMMIT, NEW JERSEY.

### Chrysanthemums

Santhemums

Mrs. S. T. Murdock, Mnie. F. Bergman,
Whilldin, H. L. Sunderbruch, Eda Prass,
Inter Ocean, V. Morel, Childs, John
Nivens, Golden Wedding, Mutual Friend, C. B. Whituall, Bonnaffon,

Shrimpton, Nivens, Golden Medinson. Philadelphia, Dailledonze, Others, 21/2 lvory, Vellow Queen and others,  $2\frac{1}{2}$  and 3-inch pots, \$2.50 per 100. . . . . Mrs. A. F. Wienold

McDONALD & STEELE, Crawfordsville, Ind.

# Shrysanthemum

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Janes** is amongst the White. The very best for late blooming. 29<sub>2</sub>-in. pot plants strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

#### St. Louis.

PLANTING BUSINESS OPENS WITH A RUSH WHICH OVERWORKS THE FLORISTS. CUT FLOWER PRICES GO DOWN .- DULL TRADE. -THRIP AND ITS RAVAGES.

Bright weather seems to have come at Planting out has been last to stay. delayed and all outside work interfered with by the cold, wet spring, but when planting commenced it came with a rush, everybody wanting their work done at once. Complaints without number have resulted from the overworked florists not being able to do half a dozen things at the same time.

Planting in the parks is being pushed and the work is giving quite a summer air to the grounds. Quite a lot of new planting is being arranged for at Forest Park, and the older parks have about the usual amount of bedding; the changes being made are mostly in design and location of beds.

Market trade this season has not been as satisfactory as was expected, and all trade may be said to have been more or less unsatisfactory. In out flowers one illustration will suffice. One of the principal fakirs doing business down town has announced the fact that he is going to close out and leave town as there is not enough doing to enable him

to make a living.

Stock of all kinds is accumulating, although whatever comes in, either roses or earnations, that is strictly first-class sells out at good prices, roses bringing as high as 6 cents and carnations bringing B cents. There is, however, any quantity of stock going at nominal prices. Carnations were I cent, with a drop on 500 or 1,000 orders. Common roses command from 1 to 3 cents with discounts on large lots. Pæonies are over plentiful and move slowly. Gladioli, too, are slow sale. Sweet peas move better than most stock, there seeming to be more call for them.

Almost all roses, and quite a few of the other varieties of flowers, coming to this market show by their appearance that the thrip is becoming more and more of It is only about three seasons an injury. ago that thrips appeared herein sufficient numbers to cause damage to stock, and then only in one or two places. Since then, however, they have spread with great rapidity and it is now an exception to find a place that is free from their ravages. There seems to be no way of keeping them in check or destroying them without injuring the roses. Tobacco has been tried, both in tunigating by burning and by the use of the extract, and fair success is reported, although smoking hurts the flowers and the extract costs about what you get for the flowers after R. F. T. they are saved.

ERIE, PA - The Tegler millinery establishment gave its first semi-annual flower show and sale on May 19 and 20. It was a most successful departure.

BALTIMORI, MD - Michael Boylan, propagator at Patterson Park, has a novel flower design nearly ready. It is a huge calendar plat of the month of June. The figures and letters are two feet square and the bed required 2,000 plants.

SALT LAKE CHY, UTAH. There was a ery interesting meeting of the Salt Lake Florists and Gardeners, Society on May 16. There was a large attendance and papers were read by P. J. Huddart upon chrysanthemum pilture, by J. C. Swane upon the growth of vegetables, by Park Keeper Shaltas on bedding plants, and by Ldw. Party on the circ of lawns.

#### MANAHERR'S PANSIES MANA

SEND FOR REASONS WHY THEY ARE THE BEST.

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...SMILAX...

Ready now at \$1.50 per 1, oz. ....PLAN IS... Ready now, 75c per 100; \$5 per 1000. September to January; 75c per 100, \$4 per 1000.

Sample plants for 10 cents.

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IN BUD AND BLOOM.

Many Fine Varieties added to Our Collection.

Best Memmoth .....per 100, \$3.00; per 1000, \$25.00 Ceneral Collection  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$ 

#### ROSES.

American Beauty, 3-Inch pots ......per 100, \$10 00 Bridesmaid, Bride, Bon Silene, Watteville, Sunset, Wernet, Price from 24-Inch pots, \$5.00 per 100; \$40.00 per 100. \$10 per 100 per

#### CHRYSANTHEMUMS.

50 tine varieties from 25-inch pots, \$3.00 and \$4.00 per 100. Send for list of varieties.

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| MIGUELLANEUUS PLANIS.                                                                                                                                                           |
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| Ready for immediate sales. 100. Anthemia Coronaria, from 2½-inch pots                                                                                                           |
| Alternanthere, all leading varieties 3 (0) Ageratum, other and white. 3,00 Carnations, from 4-lineh pots, fine stock, 12 (0) Coleus, leading sorts, 234-lineh pots, 3 (0) 5 (0) |
| O o - i como don blo and alnello (Jneb nota 190)                                                                                                                                |
| 24, 4.00                                                                                                                                                                        |
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| Hydrangea Otakaa, 5 lm. hushy                                                                                                                                                   |
| Moonflower, 212-inch puts. 4.00                                                                                                                                                 |
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| ESTABLISHED CARNATIONS FROM SOIL.                                                                                                                                               |

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Frank Hardy Chrysanthemums, 2½-in.
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2½-in. pots; Souv. de Sale, \$3.50 per 100; Her Majesty, Glen Valley, Laura Wilmer, Ger-trude, \$3.00 per 100.

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2½-in. pots: Admiral Avellon, Princess of Wales, \$3.50 per 100; Luxonne, California, Campbell, Swanley White, \$3.00 per 100. THE CONARO & JONES CO., . West Grove, Pa.

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Best mixed varieties for bedding, all in hada, strong, healthy plants;  $3\frac{1}{2}$  inch pots, 3 00 per 100;  $3\frac{1}{2}$ -inch pots, 3 00 per 100; 3

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1000 3-INCH POTS

Three to five lends, 18 to 24-inches long, 75c per doz.: \$5.00 per 100.

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Searlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. teen, Albambra, Golden Crown, Midnight, Salvator, John Goode, Nigger, Isc, per doz.; 75c, per 100; \$5 per 1000, express paid.

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Tomato, Cabbage, Lettuce, Celery and Sweet Polato, 15 cts per 100; \$1 00 per 1000.

Pepper and Egg Plants, 25c per 100; \$2 00 per 1000 Cauliflower Snowball, 35c per 100, \$2.50 per 1000 All plants by mail, 10c per 100 extra Price list for large quantities. Cash with order.

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RICHMOND, VA.-Mrs. Elizabeth Harvey has made an assignment, for the benefit of creditors, to Mexander H. Sands. The liabilities are about \$5,000 and the assets, including real estate, notes and accounts, considerably exceed that sum. The assignee is privileged to earry on the business for a period not exceeding ninety days and may dispose of the stock at either public or private sale. The real estate will be sold at auction. Mrs. Harvey did business as Harvey & Co., and succeeded the old firm of J. H. Harvey & Co., which failed about two years ago. The store is at 5 Broad street and the greenhouses are at Barton Heights.

ALBANY, N. V.-Washington Park is at present affording a tulip display of unexcelled beauty. There are thousands upon thousands in bloom, the principal varieties being Elmmacule, Gloria Solis, Murillo, Vellow Prince, Gesneriana Rex Rubrorum, La Belle Alliance, Vander Veer, Cottage Maid, President Lincoln, Proserpine and Duchesse de Parma, W.S. Egerton is the park superintendent.

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I have tested your latest
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ann free to say that Lomsider
If the best whe carnation
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It is quickly and easily appiled, and I think will prove
very durable, and you certainly deserve great cicdit
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Very truly yours,
C. W. WARD.

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Dear Sir. - Your wire stake
is certainly a gem. Without hesitating we indured it
as an up-to-date carration
support. Yours truly,
DAILLEDOUZE GROS

W. HOBOKEN, N. J.,
Feb. 18, 37
MR. THERON. PARKER
Brooklyn, N. Y. Dear SlirIt glives me much pleasure to
congratulate you upon your
success in gettling up entuation supports. I think that
those I have had from you
are about as perfect as anybody will be able to make
them. They certainly fill my
bill for an ideal carnation
support, a thing I have been
hooking toy for a long time.
Wishing you every success
in the sale of them, I am
yours truly, E. ASSU'S.

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Florists! Seedsmen! Nurserymen!

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With the rise of temperature there is a orresponding rise in the demand for bed-ing stock and from all appearances hings will be kept moving along from now on. There is nothing in the war seare. The spring of '98 promises to sur-There is nothing in the war pass that of a year ago by a good margin.

John Coombs intends building three additional rose houses, each 20x100, and two good sized violet houses The rose houses will run east and west with the long span to the south. As usual, no expense will be spared to make the houses models of their kind. In Mr. Coomb's own words: "All things considered, a substantially built house at double the expense of a cheap structure, is by far the cheapest in the end." His general stock Номо. is in excellent condition.





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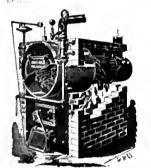
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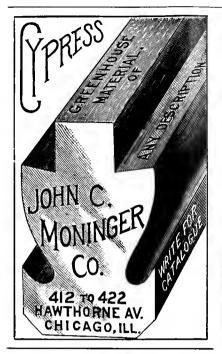
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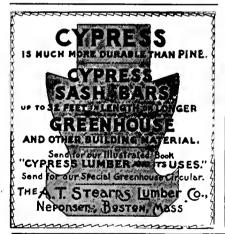
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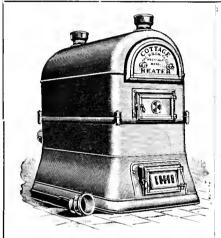
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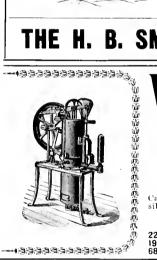
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| Cunningham J H.,1805                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Prince A G & Co1252                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Elcho'z Henry1305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rice M & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Ellis & Pollworth 1294 1257                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rider, Eriesson Co1309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ernest W H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rogers P's klora (4, 120)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Felthnusen J E 1305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Rolker A & Sons 1306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Ford Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sentiter J L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| G dvin & Co 1293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Scollay Jno A1306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Giblin & Co 1310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Shepherd Mrs T B., 1304                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gorton & Lidgerwoodlike                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lonisville Tobacco Collay Lones J & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gutta Percha Rub Co. 1316                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Situations & Wants. 1230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Haerens Aug 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Smith The H B Co 1306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hancock Geo & Sons . 134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mith ABLL & 8041805                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hartford H E120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | South Side Floral Co.1301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hart M A 124                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Stearns Lumber Co 1809                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| lielkes W.F 13.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | St Louis Cot FlowerCot24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Herr Albert M Co., 1310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Struck J.N.& Bro1308                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hillinger Bros 1345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sutherland Geo A126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hill E G & Co 1314                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Taft L.R. 1256                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hitchings & Co 1310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Table Carl E1305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Holton & Hunker Co. 1334<br>Holker 11 M Co 1307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Traendly & Schenek 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Horan Edw C 1245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | U.S. Exotle Nurserles 1301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hant E H 1272                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Vance Boller W'ks, 1303                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Illinois Cut Flower Col222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Van Zanten Bros1289                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Japanese Nursery125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1100 1301 1395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Kaating W.F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Winterson 132 139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Keller Bros 1905                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Vesey, W J & M S 1302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Kelsey Harlan P125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Wabash R R125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bayersaorier II & Co. 120 Barca A Co. 120 Blanc A A Co. 120 Boerner Fred 120 Boston Letter Co. 125 Brunton F & Co. 125 Cambridge Tile Mk 126 Ca mody J D. 134 Ca mody J D. 134 Chadwick Chaa. 134 Chidago Wrecking Co 136 Cleary & Co. 126 Conned & Jones Co. 126 Connell, Ben). 124 Connell, Ben). 124 Connell, Ben). 126 Connell, Ben). 126 Connell, Ben). 126 Contage Gardenn. 136 Conley John & Son. 125 Cottage Gardenn. 136 Craig Bohd & Son. 125 Connell, Ben). 124 Crowl Fern Co. 125 Connell, Ben). 124 Crowl Fern Co. 125 Connell, Ben & Son. 125 Encell & A Son. 125 Encell & Son. 126 Connell, Ben & Son. 125 Connell, Ben & Son. 124 Connell, Ben & Son. 125 Connell, Ben & Son. 125 Connell, Ben & Son. 126 Connell, Ben & Son | Vaughan, McKellar & Wilterson . 1232 1239 Vesey, W. J. & M. S. 1232 Vincent R & Son . 1242 1240 Vesey, W. J. & M. S. 1242 Vincent R & Son . 1244 Value of the Company of th |
| 120 1 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Kidd J N 192<br>King J M 122<br>Kraft's Plant Toric 189                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Weber II & Son                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Kraft's Plant Tonic 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Welch Bros 128<br>Wheeler Stenzel Co. 1307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Kroeschell Brog Co., 148<br>Kuehn C A 12 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Whilidin Pot Co1305<br>Whitnall C.B1236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Kuhl Geo A1302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Whitnall C.B1286<br>Williams&Crittenden.E86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Kuehn C A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Winter S B 1255<br>Witthold Geo 1360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lattlefield H F 194                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Witthold Geo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LECKING OF CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wo din J B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lonadate Edwin<br>, 100 loc lan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Wo din J B. 1395 Wors C W. 1284 Young Jno. 1283 Young Thos Jr. 1284                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Long D B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Young Thos Jr 1294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PERSON OF PRINCIPAL CO. THE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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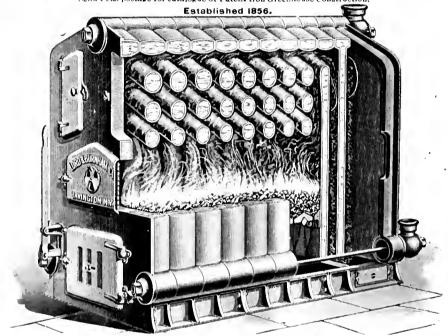
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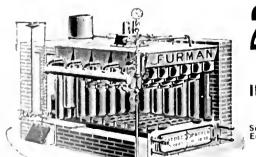
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#### CHICAGO AND NEW YORK, JUNE 4, 1898.

No. 522.

#### THE AMERICAN FLORIST

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#### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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THE AMERICAN CARNATION SOCIETY.
Annual Convention at Philadelphia, February, 1899.
ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Omaha, Neb., August, 1838.
ELMER D. SMITH, Adrian, Mich., secretary.

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OUR NEW DIRECTORY will be mailed to subscribers as speedily as possible.

CHARLOTTE, MICH.—Mrs. E. T. Church, florist, has put out five ornamental beds at the waterworks grounds.

NASHVILLE, TENN.—The Nashville, Chattanoogo & St. Louis Railway has bought the Centennial greenhouse and its contents. Other would-be purchasers awoke too late.

#### Adherence to Type in Seed Breeding.

The highest quality and most practically valuable seed of a variety is not that which from a large planting will produce a few superlative plants but that from which the largest proportion of the entire product will be of fine type. Uniformity of product is really the most important object of the seed breeding, and to secure it we must have, first, a clear conception of just what in every particular an ideal plant of the variety should be, and secondly, we must adhere rigidly to that ideal in our selection of breeders from year to year, and that we may do so it is essential that we have on record a full. minute and accurate description of the ideal plant we are working to produce, and select such plants, and such only, for breeders, rejecting those that differ from the ideal in any way, even if the difference is of itself an improvement.

Every living organism is the result of the balanced sum of hereditary influence inherited from its ancestors, that of one in a certain direction being modified by that of another in a slightly different or possibly directly opposite one. So that the more nearly alike all these influences are, the more certain and easily predicted is the result. If we introduce into the sum of heredity, through one or more ancestors, a more or less prepotent tendency in a certain direction, we disturb the balance and necessitate a new adjustment, and it is not certain that the resulting plant will be modified in the direction of the new influence in just the proportion that its numerical value bears to the whole, and in a majority of cases it will be found that some of the fruit will be greatly modified, others not at all, and still others will be changed in various directions, some possibly in one directly opposite to that of the new factor.

o illustrate, suppose we have a variety of corn which is generally ten rowed but occasionally showing an eight rowed ear and which would be more desirable if the ears were somewhat larger. We find a plant with a twelverowedear, larger, but in other respects like the type, and are tempted to use it as a breeder, hoping that the new twelve rowed tendency will overbalance that to produce eight rowed ears so that we would get rid of them entirely and increase the size of the ten rowed ears. It is possible that such might be the result, but I know by costly experience that there is greater probability that the outcome would be an occasional fourteen rowed ear, some twelve, some ten and more eight rowedears than ever before; and while some of the ears might be larger, many would be under-sized, and we should find all sorts of variation from the type, so that our product would be far less uniform and desirable than before.

My success in seed breeding has always been in direct proportion to the clearness of my conception of the ideal I was striving to produce and the persistency with which I adhered to that ideal in my annual selection of breeding stock. Over twenty five years ago I had a five-acre field of very fine corn in which I spent several hours in studying the variety and forming an idea of what a perfect plant of the sort should be, how tall, how many and how broad the leaves, color of the silk and tassel, length of husk, length and character of the ears, character of the grain, etc., etc. I then wrote a minute description of this ideal plant, with the limit of variation in each particular admissible in a brading class. missible in a breeding plant. I then went into the field and it took me many hours to find a hundred plants which did not vary beyond the limit in one or more particulars. I selected the best ten as breeddescription of the ideal plant in hand, made similar selections. The result of the work was that the sixth year I had on that same five-acre field a crop over 50% of which was within the limits of variation established for breeding stock six years before, when not one plant in a thousand came within the limit.

I am certain that my success in thus fixing the desirable qualities of the variety came from the persistent adherence to the clearly defined type. It may be argued that this course leaves no chance for improvement, and it does not as to type, nor should there be any. When we "improve" the type, we change it and in just so far are establishing a different variety, for by variety as used in relation to plants propagated by seed we mean all those plants which are of a certain type, and the very idea necessitates that type being a fixed one; but there is not a stock of any variety, either of vegetable or flower seed in existence in which there is not room for improvement in the proportion of the product which will come absolutely true to the type of the sort. An intimate acquaintance with most of the stocks of vegetable and flower seeds in common use convinces me that the greatest horticul-tural need of the age is clearly defined ideas of just what ideal plants of the different varieties propagated by seed should be, and a closer adherence by seed growers to such ideals in selecting seed stock. It seems to me that the defining and describing such ideal plants is work which can best be done by our national Department of Agriculture working in connection with our state experiment sta-tions. Such descriptions if well descriptions tions Such descriptions, if well done, would be accepted by all seed growers and the result would be the weeding out of a great many sub-varieties and a vast improvement in the quality and practical value of our common varieties because of their closer adherence to universally accepted types.

WILL W. TRACY.

#### The Rust of the Chrysanthemum.

Some days ago while on a visit to a large floral establishment my eye fell upon the chrysanthenium rust again, and it seems wise to give this new pest in America a notice. This fungus disease is closely related to some others that have proved very troublesome among



CHRYSANTHEMUM RUST

greenhouse and ornamental plants and it may spread and be as serious to chrysanthemum growers as the carnation rust has been to the propagators of the carnation

The accompanying engraving will give a fair idea of the appearance of the discased leaves. The two specimens are somewhat reduced in size and therefore the rust pimples are smaller than usually seen. Frequently the spots are in clusters, there being several arched ones around a common center. The color is a chestnut brown, and therefore much darker than the closely related rust that has brought ruin to the hollyhocks in many localities within the past few years.

The spore spots appear upon both sides of the leaves but as a rule are much more abundant upon the under side, and therefore the foliage needs to be lifted before the observer gets a full view of the spore formation. The writer has not as yet been able to find the last stage of spore formation and therefore there is doubt as to the botanical name of the rust. On this account those who have the rust will confer a favor by sending to the undersigned a leaf or two from a rusted chrysanthemmm. It will also help to give a knowledge of the range of the plant at the present time in the United States.

The rust is very likely an old weed and well known species and may have come in with imported stock or possibly infests wild plants in our own country and those growers of chrysantheminis who are suffering from it may have wild plants, even weeds, at their very doors that har bor and propagate the greenhouse pest. Those who have their chrysantheminis rusted should use all the precautions

needed with a disease that is contagious and may be carried in the stock.

It is a good rule to propagate only from stock apparently free from the rust and be watchful in buying not to introduce the disease into a house that was before free from it. It would be interesting botanically and of value commercially to learn of some varieties of chrysanthemums that are more or less susceptible than others.

Byron D. Halsted.

New Brunswick, N. J.

#### Carnations.

Field culture is so simple an operation that it scarcely requires any consideration, so with a few general ideas given in this paper we will pass it by and for the balance of the summer season make a few plans for next winter. Do not imagine you can get good plants unless you keep them constantly cultivated. You may possibly get good plants by accident, but if you are in this business for a livelihood you had better not depend on luck. The ground in your carnation patch should never be allowed to get hard; whenever it rains enough to form a crust get in with your harrow and hoe and loosen it up. The loose ground acts as a mulch in dry weather and is far better than any other mulch that can be used, as it is not a harbor for insects and diseases.

Do not hoe deep around the plant; merely loosen up the soil, as it is better to encourage the formation of roots near the top of the soil than to cut them off with your hoe. With fibrous roots near the surface your plants will transplant into the houses better in the fall. Watering should not be done in the field unless you have enough of it and time enough to water thoroughly or by sub-irrigation. Top watering during a dry hot spell is far worse than the drought. If your soil is full of vegetable humus and is kept loosened on the top it will take a pretty severe drought to seriously affect your plants.

Topping should be attended to every week and if you want to keep in touch with your stock it is a good plan to attend to this yourself. With the spring rains and now the warm weather on hand the plants should be growing quite vigorously. As soon as there is any indi-cation of a bud forming the plant or shoot wants to be cut down so low that the first axillary bud below the cut will produce a growing branch and not a flowering stem. This varies with the different sorts and can only be learned by observing for yourself. Some may think once a week unnecessary, but it is far better to go over your plants oftener and top only such as really need it than to top them so very close and not go over them again for three or more weeks. This latter method robs the plant of too much growth and is a serious hinderance to root formation. Watch the growth of the plants carefully and you can tell best how late to top them and learn what room they will require next winter and if they will require much or little staking. It is wise to keep your eyes open all the summer and you can then learn much toward your success of next winter.

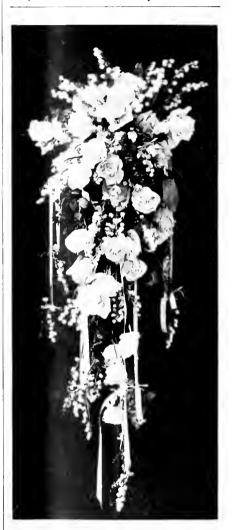
If you want good carnations next winter do not let the weeds grow at all. As soon as they show through go over the patch and hoe them out. Those around the plants especially want to be pulled as soon as you can get hold of them, for they take the nourishment from the soil that belongs to the carnations. The whole summer culture consists of keeping the soil loose, the weeds down and top-

ping properly done; then you are reasonably sure of having good plants next fall,

Albert M. Herr.

#### A Shower Bouquet.

The accompanying engraving shows a cluster of Bride roses and lilies of the valley loosely arranged so that when held in the hand the flowers fall gracefully. This bouquet is about twenty-four inches long. The roses are not wired but wire is used to bind them together. All stems that can be spared are cut away so that the arrangement shall be as light as possible and the handle small, as without care it is apt to be heavy and clumsy. A florist some time ago receiving an order for a shower bouquet and making it up from the description given (never having seen one) was told on delivery that it had



A SHOWER BOUQUET.

developed into a regular "cloud-burst." After the flowers are arranged, narrow white ribbons are tied to some of the roses to which are attached, by a narrower ribbon or silver cord, roses without stems, small buds and sprays of filly of the valley with a little sprig of maidenhair, sprays of which are also used to advantage in the body of the cluster.

Robert Kett.

BLOOMING 108, ILLS.—On June 1 and 2 this city was the scene of a Plower Pestival which in a measure rivaled the Mardi Gras of New Orleans and the carnival of the Veiled Prophets of St. Louis.

#### Herbaceous Plant Notes.

Ilyacinths and tulips, excepting a few late flowering sorts of the latter, are past some time ago, but the mixed border does not appear to have suffered on this account, perennials having taken their place. There is a wealth of gay colored blossoms to be found here now, backed up by the fresh young growth of the later blooming species. Only a few of the short lived spring flowering plants are entirely out of bloom, most of the early bloomers holding out until June. Aubretias, which flowered with the seillas and snowdrops are not past their best yet; the mossy phloxes are still perfect; arabis and the early candytuft are as attractive as ever and even the primulas hold their own and add materially to the graud late May show in the herbaceous border.

All the doronicums are well set with perfect bloom, though some of the first flowers on D. Austriacum and D. Caucasicum show signs of decay, but the younger blossoms are now only at their best. Tiarella cordifolia looks better than it did a month ago; Polemonium reptans, with its half drooping flowers, is graceful and effective as ever; Alyssum saxatile compactum is a solid mass of bloom, as is the dwarfer Erysimum pulchellum; Phlox amæna and P. divaricata also add greatly to the general effect. It is true that early in May we miss the bright scarlet and crimson colors in the herbaceous border, but as we have all shades of pink, yellow, blue. purple and white, we can well afford to be without the more dazzling colors for a while. By the 20th of that month we usually have the gay oriental poppies, the brilliant Pæonia tenuifolia and the bright Lychnis floscuculi fl. pl., soon to be followed by the glittering Lychnis viscaria fl. pl., and ever after there is enough diversity in color and forms to satisfy the most fastidious.

Several of the taller irises are now well out. I. Florentina, almost white, with a faint tinge of lilac in the large flowers, is the foremost with us and the deep velvety purple I. Germaniea atropurpurea is only two or three days later; of both we were able to cut quite a number of tall spikes on the 16th and again on the 20th without leaving the rows entirely destitute of flowers. Asphodelus luteus is now beginning to open out its tall racemes of fra-grant yellow flowers on the strongest specimens, while on the smaller plants, they are just beginning to elongate. This is a most desirable plant, not only when in flower but also on account of the graceful bending form of the numerous awl shaped leaves, which are green all winter. Asphodelus ramosus grows taller, the racemes reaching a height of four to five feet; the flowers are quite large, white with a brownish line in each little segement; the leaves are broad and sword like and the plant is highly esteemed for planting as an isolated specimen on the lawn, but a generous clump of at least six to eight growths should be used in such a position.

Anemone nemorosa in a shady nook has been in bloom for a month or more and none of the pretty flowers show any signs of decay. A. nemorosa fl. pl., is a pure white double form of great value; in keeping qualities it even surpasses the charming single form. A. Apennina alba, which came into bloom at about the same time also continues in fine shape and is a great favorite here. All these are dwarf plants, not over six inches high and should be planted in partial shade; they succeed in open spaces well enough but their flowers do not last near so long there. A. sylves-

tris, is considerably taller, twelve to eighteen inches, and not so early, but was well covered with bloom May 15, with many buds to come yet; it has large flowers on long wiry stems and is very useful for cutting. Globularia vulgaris with its round button-like flowers is called by many persons the blue double daisy, to which undoubtedly it bears a strong resemblance at a glance, in foliage and growth as well as in the shape and size of the flowers; it has been in flower for two weeks and will continue until July. G. trichosantha is about two weeks later, otherwise there is not much difference to be noticed.

The blue Centaurea montana and its white and so-called rose relations are all coming out rapidly; their large sized flowers are very acceptable for cutting, and being such remarkably free bloomers we may come again the next day. Recently divided plants are slow to start into growth; they do not flower quite so early but generally give us a succession of

bloom throughout summer and fall, and therefore it is a good plan to divide part of the stock every spring. Lotus corniculatus, that charming little creeper, with its red and yellow pea shaped flowers is useful wherever we may introduce it; we can cover bare spots with it in a short time, plant it among or in front of shrubs along the front of borders; we can use it for edging or in the rockery where it will form lace work over the rocks and bloom freely for months. The double variety is freely for months.
Interesting and equally floriferous.
Among dicentras, I think D. formosa deserves mention; the free growth, somewhat taller than D. eximia, and much brighter color of the flowers are its chief recommendations; the finely divided foliage in itself would be an ornament alone throughout the season, without the additional charm of the curiously shaped, drooping flowers. Aquilegia flabellata is I think the first of the family to bloom and certainly a good thing; the flowers are white throughout, large, of



CLUSTER OF BRIDESMAID ROSES AND MIGNONETTE.

remarkable texture, more substantial than any other of the many beautiful varieties, the plant dwarf and stout in growth with beautiful deep glaucous foliage. It is one of the comparatively newer introductions and still very scarce in this country, but the plant has a great future, apparently. A. glandulosa and A. cœrulea are a little later.

J. B. KELLER.

#### Notes and Comments.

Owing to the continuous unfavorable weather during May, the bedding out has been delayed. Zonal pelargoniums, or geraniums, as they are commonly called, are still among the leaders for this purpose. There was a time when General Grant was head and shoulders above all others in Philadelphia, as well as in many other cities as a bedder, but never counted on much as a market plant because it did not bloom sufficiently early for that purpose. Many people have to see a plant in bloom before they will buy it. Victor Millot was a good market variety, being dwarf, early and free-flowering, and a good bedder. The color was not so bright as that of Grant, having in it less yellow. La Pilote was the next favorite, being an early and free bloomer and bright scarlet in color with semi-double flowers. It has not seemed to make much headway so far as 1 have been able to observe in other cities. Its supremacy is now threatened by what I presume to be an American seedling, the S. A. Nutt, which is much darker in color than any of those above mentioned; and for that reason, by many it is more appreciated, being what its admirers declare "less glaring" than others that are suitable for ontdoor bedding. I imagine that S. A. Nutt was raised by John Thorpe, when the old firm of Hallock, Son & Thorpe was in existence at Queens, N. Y. Mr. Thorpe had a friend by that name who was in his company a great deal at the convention of the S. A. F. held in Philadelphia in 1886. If my surmise is correct it goes to show how long it takes some good things to become well known.

Mr. John Welsh Young belongs the credit for having brought this meritorious variety into Philadelphia, and as it is advertised by the ten thousand in some parts of the country it may be considered generally popular.

A public park is in course of construc-tion at Chestnut Hill, with most of the best features of the popular Willow Grove Park, with the added advantage of cheaper car fare to reach there. The elec-tric trolley cars run directly from Philadelphia right into the park, a distance of at least twelve miles, for a nickel, C. A. Knapp has the contract to furnish the bedding plants. A large United States flag will be one of the prominent features, though when on a visit there a few days ago, very few plants had been put out on account of the unfavorable weather; with better weather the planting will be put through with a rush.

1 notice what Mr. Wallace has to say in last week's Florist in defense of the report of the meeting of the American Carnation Society held in New York in 1891. He is in error when he states that I wish to reflect on his abilities as a stenographer. Nothing was further from my thoughts. Only a matter of history—that is all. It is to be regretted that he misunderstood what was expected of him, though it cannot now be helped. As a member of the executive committee, I expected a verbatim report of the meeting, or the engagement of a stenographer would not have been for a moment considered, nor would the consequent expense have been warranted. I complained about it at the time, and have regretted the fact ever since.

Mr. Scott makes the statement that though giving them all due praise for planting outdoors. Mr. H. H. Battles does not think they should be tabooed for that purpose, and he is an authority in such matters. He has produced some most telling effects with zinnias, notwithstanding the fact that they are "absolutely regular in form, stiff and formal." There is undoubtedly a place for the zinnia as a cut flower in the hands of an

artist, though possibly at the present time, under the existing state of international affairs, it may not be in the best of taste to use the prevailing shades in the colors of the zinnia, namely, orange and yellow, on festive occasions. Mr. Scott will, of course, use his own judgment in this matter, but my advice is to modify the sweeping statements made, because if a flowering plant has a place outdoors the flowers from that plant ought to find a place on some occasions indoors.

By the by, the name of Mr. Battles reminds me that he is so far convalescent as to be able to take a trip to Albany, N. Y., to render advice and superintend the floral fleatures of the wedding to take place June 1, between one of Albany's belles, Miss Pruyn, and one of Philadelphia's prominent citizens, Mitchel Harrison, Esq. It is to be hoped that the trip will so far benefit Mr. Battles as to give him back his former health and strength.

Mr. Stephen Mortensen, Southampton, Pa., was married last week to Miss Annie Engard, Wyndmoor, Pa. Mr. Mortensen started in business for himself a little over two years ago. Prior to that time, for some years he was foreman for Edwin Lonsdale, Wyndmoor, Chestnut Hill. Congratulations are now in order and are herewith extended, and may their pathway through life be strewn with treble N roses. E. L.

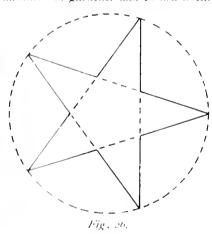
#### Clematis Paniculata.

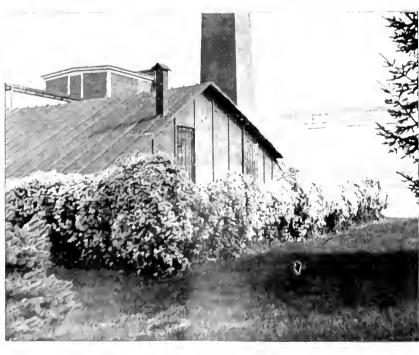
So rapidly has this beautiful and restful hardy climber been distributed, and so simple are its requirements, that little need be said in explanation of the illustration herewith presented excepting that it shows a portion of a space about 100 feet long which is planted as a hedge on the north side of the office at Waban Con-servatories, Natick, Mass., and to call attention to its desirability for clothing unsightly or waste places with a mantle which is beautiful the whole year through. Its rich green foliage during summer, its masses of fragrant white blossoms which throughout fall and winter become clouds of feathery seed vessels, should make it pre-eminently a favorite everywhere.

#### Ornamental Bedding.

PART VII.

Count the carpet and design beds all over the land, and you will find the Maltese crosses and stars to be the leaders. A star is easily laid out, yet an old florist told me, speaking of a five-pointed star, that it was an easy matter to get the four points, but the fifth one always gave him trouble and made him nervous; and another old gardener had to ask a car-

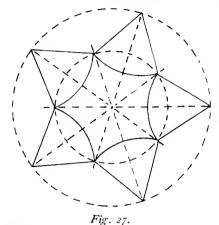




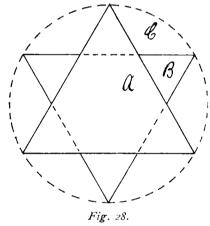
CLEMATIS PANICULATA

penter to make a pattern of strips once, when he was requested to make a star.

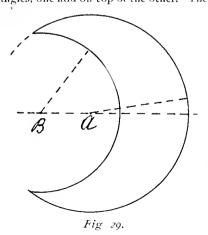
For a five-pointed star draw a circle of the desired diameter, divide in five equal parts, set pegs, tie twine between alternate points until you return to the first one as per Fig. 26. Or if you do not



want the points so narrow, especially if it is a small bed, draw a smaller concentric circle, mark the inside points on this by stretching the twine from the outside points past the center, and where the twine crosses the smaller circle, put in your pegs. Fig. 27 shows such a star; it also shows a little variation in the classification. planting. The rule given for the Maltese cross about distribution of colors holds good for stars; the points should not be planted in different colors.

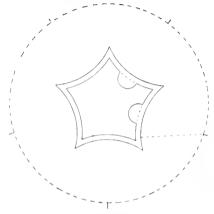


The six-pointed star is laid out in much the same way as the cross, being divided in six parts. Here we can vary the planting, considering the design as two tri-angles, one laid on top of the other. The



stars can be laid out in circular or other beds as part of the design. Fig. 28 put in a circular bed may be planted thus: Tri-augle a, Coleus Golden Bedder, bordered with achyranthes; points, b, Coleus Black Hero; c, Santolina incana, and a border of Alternanthera paronychioides major around the whole thing; make the bed altogether twelve feet in diameter, and you have quite an effective bed very easily

The crescent is another popular design from the astral regions, and easily laid out, as Fig. 29 shows; all you want is two centers and from them curves with suitable radius. If the radius from center b is five feet and you draw a five-pointed star as Fig. 27 with a radius of three feet six inches with b as center, you have a star and a crescent, which look nice when cut out in the lawn.



F1g. 30.

Fig. 30 is another easy bed to lay out, and even if only planted with scarlet geraniums, bordered with Mme. Salleroi, it is a welcome change from the circles and diamonds. It can also be planted with colcus, etc., and it can be improved a little by laying it, out as suggested on a little by laying it out as suggested on the two sides; no difficulty in doing it and it looks neat. Suppose the circle in which the center lies is drawn within a radius of ten feet six inches and the sides of the bed are drawn from the five centers with a radius of six feet six inches, it can be planted for about the same price as a tenfoot circle, and it makes more show.

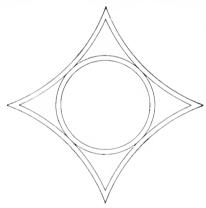


Fig. 31.

Fig. 31 is a design of similar construction. When laid out on a generous scale, say that the circular part is sixteen feet, planted with red French cannas, with a double border of John Good geraniums, the points filled with Coleus Verschaffeltii, bordered with C. Golden Bedder; spreading thirty-two feet from point to point, it makes a very bold and effective impression on a large lawn. H. Hansen.

#### New York.

MEMORIAL DAY TRADE AMOUNTED TO LIT-TLE. - REDUCED RECEIPTS FOLLOW. -MILDEWED ROSES RESULTANT FROM DAMP WEATHER. PEONIES ARE POPU-LAR -TWO NEW FLORAL COMPANIES.-LOUIS SCHMUTZ, CLEARY & CO. AND THE WEATHER DIVIDE THE HONORS.—DEATH OF DENNIS M'CARTHY. -OFF FOR EUROPE. -INTERESTING JOTTINGS OF THE ME-

The features of Memorial Day in this market were entire indifference on the part of the public, dullness in the retail trade, almost complete stagnation in wholesale centers, heavy receipts of stock in all lines of cut flowers and low prices as a result. Roses were decidedly poor in quality, but there were lots of them. Carnations were good and also plenty. Sweet peas showed the effects of the damp weather almost as much as did the outdoor stock. Lily of the valley, lilac and other garden products were in the worst kind of shape from the effects of rain and fog and if not sold at once quickly assumed an appearance that finished their usefulness. There was a finished their usefulness. There was a small amount of shipping done, chiefly too New England points, where the local demand in response to local patriotism had forced local prices to such a limit that there was money in buying from New York at New York prices.

The present week sees a substantial reduction in receipts of cut flowers, roses especially, which, if the demand assumes normal proportions, will quickly bring values back to reasonable limits, but mildew has been at work and the quality has sustained a severe blow that seriously affects net returns. Lilacs and outdoor lilies of the valley are about at an end, but pæonies and snowballs follow them, and the avalanche of garden grown stock will continue until outdoor roses have passed. Pæonies seem to be popular and now bring good prices, but the bulk of the bloom is not yet ready for market, and final results on pæonies cannot yet be given. It may be safely stated, however, that their position as a florists' product is strengthêned each year.

Dennis McCarthy, who for some time has been foreman for T. W. Stemmler, at his large establishment at Madison, N. J., died on Saturday, May 28, of heart disease. He was well known to the trade, having been previously employed by Jas. Weir & Sons, of Brooklyn, John Henderson Co., of Flushing, N. Y., and O. A. Slaughter, of Madison. He leaves a wife and several children.

Reed & Keller's wire design factory was burglarized on the night of May 26, but little of value was found by the thieves.

Thomas E. Weathered sails for Europe on the Lucania on June 4. T. W. E. Ebbinger, of the Boskoop Horticultural Company, sails for Holland on the Apaardum on the same day.

J. L. Schiller and Miss Mary E. Chadwick were married at Haccorn.

wick were married at Hagerstown, Md., June 1.

Ernst Asmus is up in Sullivan county upon a piscatorial expedition.

The establishment formerly conducted by Ed. Littlejolm, at Chatham, N. J., has passed into the hands of the Chatham Rose Company, under which title it will be run hereafter.

John Smith, who was for many years foreman for J. H. Taylor, of Bayside, has bought half of the Lancy business at Woodhaven. The new firm is known as

Thursday evening, notwithstanding the spring rush, and bowling scores are

ascending. Last Thursday Louis Schmutz

"ketched the pot."

Cleary & Co. have been compelled to lease the opposite building, 57 Vesey street, to accommodate the tremendous stock of plants sent in for Tuesday and Friday auctions.

Manda Brothers have opened a retail store at 768 Lexington avenue.

GREATLY INCREASED BUSINESS MARKS THE CLOSE OF MAY IN THE CITY OF BROTHERLY LOVE .- STOCK WAS NOT OF THE BEST. PRICES SHOW LITTLE ADVANCE.-GROW-ERS PLANTING ROSES.—P.EONY NIGHT IS NEAR. - OTHER FLORISTS' CLUB MAT-

Philadelphia.

TERS.

May left us smiling, the thirtieth and thirty-first being beautiful days, which, after the month of almost continuous rains, was a most welcome change. When Memorial Day is fine it means greatly increased business for those of the craft who depend mainly on cemetery trade. This season all hands seemed to have fared better than usual. Westcott Bro-thers and Philip Alburger, at Laurel Hill, sold quantities of plants and cut flowers, and were rushed for a week previous getting out vases and baskets of plants to fill orders for the decoration of various cemetery lots. John P. Habermehl & Brother were also very busy; in fact all the suburban florists had all they could The stores also seemed to have an extra demand and did very well. The commission men could hardly handle their trade. It was not that flowers were so scarce, but that the grading of stock took so long. The continued wet weather had been very hard on roses, and first grade and extras were scarce, and it required time to get them assorted. There was considerable shipping to out of town florists, and that, together with the extra demand of the home trade, cleared up everything salable. There was considerable immortelle work, some of the stores making a specialty of large designs for the soldiers' graves. These are ordered by business firms who present them to the various Grand Army posts after they have been used for a few days to decorate their show windows. Messrs. Wolf, Habermehl & Brother and Hugh Graham had some elaborate pieces.

Considering the demand prices for cut flowers advanced very little. Roses sold at from \$4 to \$6 per hundred for first grade stock. There were very few extras. Beautics sold at from \$1 to \$3 per dozen for good flowers. Carnations of ordinary quality brought \$1.50 per hundred. The extras sold for \$2 and the culls for \$1 per hundred. Sweet peas sold for from 35 cents to 75 cents per hundred, and there were quantities for the demand. Longiflorums brought \$5 to \$8 per hundred. Paonies are to be had by the wagon load at from \$2 to \$4 per hundred. Smilax is a bit scarce at from 15 cents to 20 cents per string. Lily of the valley sells well at from \$3 to \$4 per hundred, and corn-flower commands from 10 cents to 25

cents per hundred.

The growers are now busy planting their rose bouses for next season's cut-ting. They have been delayed in getting the soil, the continuous rains keeping it too wet to handle. As far as we can see the varieties selected for next season's bread winners are: Beauty, Bride, Bridesmaid, Meteor, Kaiserin Carnot, planted in quantity in the order named. The fancies will mostly be let nlone, as the money, after all, is in the staple kinds

The next meeting of the Florists' Club should be an interesting one as there is to be quite an exhibit of pæonies, and Joseph Heacock is to lead a discussion among the members as to what they know about this showy flower. The cases for the trophies and books belonging to the club are now finished and John Westcott, who had charge of their construction, says be intentionally made them larger than is now necessary so that the boys will hustle to win some more prizes to fill the empty spaces. That Spaulding cup would be at home here now; it seems to us that it must feel very lonely all by itself at Buffalo.

#### Chicago.

LARGER STOCKS THAN EVER IN THE HIS-TORY OF THE TRADE. — LOW PRICES WERE THE RULE.—STOCK FROM COLD STORAGE DEMORALIZED THE MARKET .-COLORED FLOWERS HAD THE CALL.-KENNICOTT'S THIRTY-FIVE CENT BURG-

Never in the history of the trade was there such an abundance of cut flowers as last week. Every grower seemed to have made a special effort to send to market every available bloom and pickling was resorted to far more than ever; roses that should have been sent in on Monday were held back until Wednesday or Thursday.

Carnations suffered more from the pickling process than did any other flower, as one-third of all the carnations in the market Memorial week had been held on the plants from one to two weeks too long before being cut. They were utterly useless except to depress the market and spoil the sale of better stock. Narcissus Poeticus which were cut in the first or second week of May and kept in cold storage for Memorial Day looked quite fresh after their long chill, but their keeping qualities were about exhausted. process was tried with tulips, but without success. For several years growers of large numbers of pæonies have cut these blooms just as the buds commenced to show color, keeping them in cold storage until there was a demand for them. They have been held in fairly good condition for a month or more. A large lot of preonies grown in the south was held in this way for Memorial Day and kept well but the great quantity of home grown bloom cut off the demand for pickled stock. Any one who watched the market closely during the past week was certainly convinced that to the pernicious practice of pickling, more than to any other cause, was due the great abundance of stock and accompanying ruinously low prices at a time when good prices should have prevailed.

Good roses were sold out closer than any other flowers, only a few Brides and extra long stemmed Beauties being left over. A large proportion of the roses in market were of inferior quality. Teas brought from \$1 to \$5 per 100, the bet-ter price being for extra fine stock. The market was swamped with earnations; as with roses, those of inferior quality largely predominating. They brought from 25 cents to \$2 per 100, with a few particularly fine blooms at \$4. The stock of first quality sold out fairly well, while the poor grades would not sell at any price. The colored flowers had the call, very

few white flowers being wanted. There were several fine lots of longiflorum in the market, but they found slow sale at lower prices than they have brought at any time this season, \$2 to \$4 per 100, many being jobbed at even less. About the same amount of this stock was in the market last season and sold readily for

\$1 per dozen.

The wholesalers report the amount of stock received at from 50% to 100% larger than ever before. The retailers generally found business for Memorial Day not up to what was expected, despite the fact that there was a larger stock of flowers handled during the week than ever before in the same length of time, but lower prices prevailed for the week than in any other week in the past year. Since Memorial Day the market has been steady, with prices somewhat higher. Good stock sells fairly well, very little being held over. Nearly all spring flowers are

out of the market now except pæonies. Kennicott Bros.' place was burglarized last Monday night, the robbers cutting a hole in the glass, reaching through and unbolting the door. The only thing missed was thirty-five cents from the cash I. T. A.

drawer.

#### Boston.

UNPRECEDENTED MEMORIAL DAY TRADE RIVALED EASTER AND CHRISTMAS.-OUT-DOOR FLOWERS SCARCE .- RHODODEN-DRON SHOW POSTPONED ONE WEEK.

By unanimous consent Memorial Day, 1898, is pronounced to have been the best on record for the New England florists' trade. Many, indeed, there are who claim that as an all-round, profitable, and in every way satisfactory occasion it takes the palm over both Easter and Christmas. The prices quoted in advance by the Boston wholesalers looked out of proportion in comparison with the quotations in other cities but, they held good on Friday, Saturday and Sunday and everything was cleared out. Of outdoor bloom but little was available, the same cold, rainy weather that prevented snowballs and rhododendrons from opening having a disastrous effect on tulips, lilacs and other plants that were already in bloom. This condition was fortunate for the growers of the greenhouse product as they had a very heavy crop and the scarcity of outdoor bloom raised its value. There was a disposition noted, too, on the part of buyers to prefer the choicer flowers and there was a willingness to pay for them that was exceedingly gratifying. Those who had made big preparations for a demand for dried and artificial stock were doomed to disappointment and had much of the made up goods left on hand for next year. Altogether the florists, growers, wholesalers and retailers, including the street fakirs of Boston have every reason to be thankful for their experience of Memorial Day. New England is paved with little com-munities in which the same spirit prevails and the tremendous shipping trade to these places which the wholesalers were called upon to supply, was the very best kind of proof that all through this section the florists enjoyed the same good fortune as their Boston brothers.
Outdoor vegetation is considerably

behind the average this year, as to time of blooming. Mollis azaleas are just popping open and the first of June ands wis-tarias, those that survived the late freezes, just at their best. Snowballs are still green and no bigger than walnuts; buds on rose bushes are searcely apparent.

The rhododendron show of the Massa-chusetts Horticultural Society, which was scheduled for this week, has been postponed until June 7 and 8, and unless warmer weather should come quickly the preony show which should take place on Saturday, the 11th, will also have to be set back one week.

#### THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

#### No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago,

Francis Supior, the well known Philadelphia violet grower, sails for France June 11.

K. GSOSEMET is the name used by a Greek street fakir to advertise his Cape iasmine flowers.

Ax English paper reports a case of freesia bulbs forming new bulbs after planting without producing any foliage.

THE Royal Horticultural Society of England has awarded Messrs. Paul & Son, Cheshunt, a certificate for a double flowered form of the well known hardy perennial, Alyssum saxatile.

WE are in receipt of the third annual park report of Indianapolis, Ind., from which it appears that considerable improvement has been made in the park system of that city during the past year. J. Clyde Power is superintendent and engineer.

THE Royal Botanic Garden at Berlin is to be transferred to a new location. The present site, which has been devoted to the same purpose during the past two hundred years, has become too small, and it is surrounded by large houses injurious to vegetation.

The fortieth annual report of the Missouri State Horticultural Society has come to hand. The book of some 400 pages contains a large amount of useful information on horticulture in general and is well illustrated. The summer meeting of this society will be held at West Plains, Mo., June 7, 8 and 9. The secretary is L. A. Goodman, Westport, Mo.

THERE is now pending in congress a bill to authorize and encourage the holding of a National Exposition of American Products and Manufactures, especially suited for export, at Philadelphia in 1899. The exposition is to be held under the auspices of the Philadelphia Commercial Museum, a public institution, and is a matter of deep interest to manufacturers, agriculturists, horticulturists and florists, as it will teach American producers the requirements of the markets of the world and at the same time do much to acquaint foreign buyers with the superiority of American products.

THE National Florists' Board of Trade calls attention to an act of the Ohio legislature which relates to insolvent debtors. The law provides, in substance, that every conveyance, transfer mortgage or confession of judgment made by a debtor in contemplation of insolvency or with intent to prefer a creditor, shall be void, and that every such conveyance, transfer, mortgage or judgment made while the debtor is insolvent, within ninety days next preceding a general assignment, shall be void, whatever the intent with which it is made. This applies whether the debtorknew of his insolvency or not. The law will not go into effect until November 1.

#### Cut Flower Price Lists Received.

Louisville Florists' Supply and Exchange, Louisville; H. L. Sunderbruch Co., Cincinnati; Wm. F. Kastings, Buf-

#### Red Ants in Greenhouses.

ED. AM. FLORIST:-Please tell me what to do to rid my greenhouses of the little red ant. My houses are built on sandy soil and the ants bore in the pots and kill the plants. They bore in all the pots alike. A. A. II.

#### Novelties Registered.

The Conard & Jones Company, of West Grove, Pa., have registered at the secretary's office of the Society of American Florists, a new canna, "Admiral Dewey," to be introduced in 1898, and a new rose of climbing habit, "Royal Cluster."

WM. J. STEWART, Secretary.

#### Catalogues Received.

American Road Machine Co., Kennett Square, Pa., ventilating apparatus; The Walker Fertilizer Co., Clifton Springs, N. Y., fertilizers; Knight, Clark & Co., West-A., fertilizers; Kingnt, Clark & Co., Westham Nursery, Langley, Eastbourne, England, plants: Fairmount Tree Protector Co., Philadelphia, Pa., insecticide; J. H. H. Boyd, Gage, Tenn., tree seeds; Greening Bros., Greening P. O., Mich., nursery stock; J. Lambert & Son., Trier, Germany, seeds and plants.

#### Yearbook of the Department of Agriculture.

The yearbook of the Department of Agriculture is a mine of information on agriculture and related sciences. In addition to the usual reports of the various divisions, many papers and special reports by experts are spread through its pages, and in most cases these are freely illustrated. The more important of these papers from The more important of these papers from a purely horticultural standpoint are as follows: "Lawns and Lawn Making," by F. Lamson-Scribner; "Hybrids and their Utilization in Plant Breeding," by Walter T. Swingle and Herbert J. Webber; "Some Interesting Soil Problems," by Milton Whitney; "Additional Notes on Seed Testing," by Gilbert L. Hicks and Sothoron Key; and "Danger of Importing Insect Pests," by L. C. Howard.

#### Greenhouse Building.

Buffalo, N. Y.-C. D. Zimmerman, one greenhouse 18x30, hollow brick sides, cement floor, steam heat, angle iron frame.

East Greenwich, R. I.-M. B. I. Goddard, one conservatory.

Lewiston, Me.-E. Saunders, one greenhouse.

Holbrook, Mass.-A. Belcher, one commercial house, 20x100.

Newtonville, Mass.-Mr. Wheeler, one

conservatory.
Cleveland, O.—J. M. Gasser, seven greenhouses, each 21x120, short-span-tosouth.

Madison, N. J.—Gustave Besanceny, range of thoroughly modern, steam heated rosehouses by Henry W. Gibbons.

#### Soil for Rose Growing.

There is a well-grounded belief among rose growers in general that they must make use of what they term maiden loam, it being understood that loam that has never before been used for rose growing purposes is indispensable, especially to rose growing under glass for cut flowers. Are rose growers justified in this belief?

I would say that in my judgment it is useless to attempt to grow roses and expect what might be considered success with anything but virgin soil. I like sod from grass land that has been mowed or pastured a year or two, plowed three or four inches deep, the soil to be what is generally called a strong loam. Compost this with one-third cow manure and with proper treatment after planting, the plants should flourish. Soil in which roses have been grown for a season becomes loose and friable by the action of the roots and continual watering, and even though composted again would not, in my opinion, prove satisfactory, although I confess I have not tried it, thinking the risk too great. It would, no doubt, be all right again if spread on the ground and another crop of grass raised for three or four years, but then I suppose it would be restored to its original consistency by the action of the elements and the decayed vegetable matter from the grass.

Sea Bright, N. J. FRANK McMahon.

It seems to be customary in this section to select a piece of ground that has never been turned by the plow, and to use only the tough sod in making up the soil heap. I was of the same mind and for three years used maiden loam, the only perceptible advantage being a saving in fertilizers. The root fiber when rotted in the bench gives nourishment to the plants, consequently I used less fer-tilizers in the soil heap. But last year's experience taught me that I could do without maiden loam and grow good roses. I filled a house with a compost of sand and soil from a plowed field in equal parts, and therein planted Brides from 212 inch pots July 10. During the whole season this house produced more roses of a better quality than my other houses given the same treatment except that the benches were filled with maiden loam. I cannot see where rose growers are justified in their belief that maiden loam is indispensable, for three months after planting the soil loses its vitality to a certain extent, and the plants have then to rely on mulching for their support. From my experience I claim that sod of three years growth, from a sandy From my experience I claim that loam, will produce as good results, both in plants and buds, as maiden loam under the same treatment. R. M. S.

Madison, N. J.

It is stated by scientific agricultural chemists, I believe, that there are bacteria at work in soil which exert an influence over it, "in changing otherwise inert substances into matter suitable for the food of plants, converting the nitrogenous matter of organic origin into soluble nitrates." Such being the fact, if by actual experiment there has been found a difference in rose growing operations, in a comparative test, in favor of soil that has never been used inside a greenhouse before, it is just possible that by this unnatural and artificial treatment of the soil the bacteria exhaust themselves, and eannot increase and multiply through lack of congenial conditions. If this is the root of the trouble, what do scientific men advise as a remedy? In farming operations the bacteria peculiar to the successful growing of clover, under cer-

tain conditions become exhausted or are inoperative, and in that event, if I mistake not, our friends, the scientific operators at the experiment stations, recommend the use of soil that is known to possess the desired bacteria, and to apply it as a dressing to the soil on which it is expected to sow clover, and in that way impregnate it—if that is not the proper term, I hope I have conveyed the correct idea. Whether this is practical and can be applied to our soil that may be defi-cient in a friendly bacteria, can only be known by intelligent experiment by florists, or better still, scientific men who have made this branch of agricultural chemistry a study. One way could be tried-but whether with any hope of success our friends at the experiment stations can advise us—and that is to apply some new soil to that which has been taken out of the greenhouses wherein roses had been grown; in that way if friendly bacteria were lacking they would be re-introduced, and thus in a given time they might bring back our soil to the same condition in which it was before it had been used for roses. There may come a time when the renewal of soil into its pristine usefulness may be a serious item in the florists' business, especially in rose growing. A little light at this time would be opportune, and most of our friends at the experiment stations, who are more or less directly interested in these matters, would be only too glad to help us if the question as above was submitted to them. EDWIN LONSDALE.

#### Chrysanthemum Notes.

In selecting the varieties that are intended for exhibition, we have to consult the scale of points under which they are to be judged and figure principally on varieties of good even color and fine form, with well clothed stems sufficiently strong to hold the flowers erect. A great many of the best exhibition varieties are of tall growth and must therefore be given plenty of head room in which to properly develop. Among such varieties are Golden Wedding, Modesto, Maytlower, Mrs. S. T. Murdock, Eugene Dailledouze, Evangelme. Maud Dean, Viviand Morel, and Chas. Davis, which, from plants set out next week, will attain a height of about five to six feet and should therefore have not less than seven leet of head room, while such favorites as Mrs Jerome Jones, Major Bonnaffon, Ivory, Mrs. H. Robin-son, Geo. W. Childs, W. H. Lincoln, Mrs. Perrin, Western King and Defender will get along very well with five feet of head

Prant all red varieties by themselves and in a place where they can be shaded when in bloom it necessary, and also that they may be treated separately from the other colors, as most of the reds dislike much begin amount. We plant all our exhibition varieties from eight to ten inches apart, according to their growth and ray them to single stem. In this way we tool at possible to get a greater number of high grade blooms from a bench team from plants with two stems, and partle git hefter returns.

There were a number of new varieties of 1807 exhibited at the shows last year that had none promising points, and no don receive of these will be more in evidence that coung cason, among them long Mrs. [E. ]. Ole sner, yellow, Evangeline white, of this form. Mrs. C. H. Weens, white praid Western Eing white has if we can only get it to grow Mrs. [E. V. Persson, white Detender, red. [E. V. Persson, white Detender, red. [E. V. Persson, white Style of Major

Bonnaffon; J. H. Woodford, white; and Sunstone, a light bronze of fine form and growth.

Among the novelties of 1898 that came under our notice and with which we were very favorably impressed are Solar Queen, light yellow; Frank Hardy, white, of good form; Wm. H. Chadwick, incurved white, resembling Mrs. J. Jones; Autumn Glory, pink, after the style of Viviand Morel, but of an even shade of light pink; Pennsylvania, light yellow; Snow Queen, white, of good form; and Mrs. C. H. Peirce, a fine yellow, not extra large but of fine form and good substance. All of the above are making fine clean growth up to this date.

C. W. JOHNSON.

#### Killing Aphides by Vaporizing Tobacco.

As many do not appreciate the difference between this and the old method of fumigating by smoke, a description of the method which we have followed here for some years may be of interest to some of your readers, as I have no doubt many of them have found out to their cost that to burn the stems not only destroys the color of the fully developed buds, but is very apt to injure those in a partially developed stage. This was our own case many years ago and compelled us to quit fumigation in the regular form in all blooming houses; then we tried spreading stems cut short over the surface of the soil, distributing very thinly; this destroved the aphides and soon killed some of the plants also, which compelled us to seek other means to accomplish the same end. We tried stems on the walks of the houses; these had to be changed very frequently, which increased the expense materially, so finally we adopted present method. We have found it effectual, and also a great saving in each year's

expenses for tobacco stems.

The first thing required is a steam boiler (if one is not already on the place); the size must be governed by the size of the greenhouse plant. For say 50,000 feet of glass a boiler of eight or ten horse power will do the work very well; place it in the boiler pit, the nearer central to the work required of it the better, and it should be so placed that the steam has considerable rise before entering the pipes in the greenhouse; we carry a 112-inch main part of the way and 1-inch the balance; from this half-inch branches are taken out with tees at each greenhouse and a half-inch pipe run along under the front bench with half-inch valves and nipples placed at about fifty feet apart; no matter what length the house is, at the last valve an elbow can be used into which the valve can be serewed with a short nipple, as it is not necessary to run a return pipe to the boiler. All the piping should have a fall from the highest point near the boiler, so that when the steam is turned into the pipes all condensed water can be forced out at the different openings. Where the houses are already heated by steam all that is necessary is to make openings at about every fifty feet in one of your flow pipes, prelerably this should not be over one meh, otherwise it may raise the temperature too high at times. In these openings place half inch valves as described

Presuming that this arrangement is all leady, the next thing to consider is tobacco liquid. This we make by having me or more barrels prepared by placing them on end high enough to place a pail a tratering pot under the faucet, make a reconstraint by making strips about 114 in thick cross ways to form a kind of a This should nearly bit the end of 4 the carrel and be placed in the bottom;

then lay some stems across these to prevent the refuse falling in between the slats; next fill the barrel as full as possible with stems, pressing them as tight as possible, covering with a broad board and heavy weight to keep them down; then fill the barrel with cold rain water; let stand in a cool place for about forty-eight hours and it will be ready for use.

To apply this effectively, take a piece of steam hose about two feet long with a half inch female coupling secured fast to one end to attach easily to the valve; at the other end a piece of ordinary 4-inch gas pipe about eighteen inches long should be firmly secured; then take ordinary butter tubs, or any large pail will do, draw off about three pints of the liquid from the barrel, put in the tub, place the piece of gas pipe so that it almost touches the bottom of the tub. put a bundle of stems into the tub to prevent the liquid boiling over, turn on the steam with from ten to fifteen pounds pressure, open the valve in the greenhouse to allow the condensed water to escape as soon as live steam comes freely, attach the hose and turn the steam into the tub, or rather tubs, as there should be one for every valve in the house and they must all be opened at the same time or as soon as the operator can get from one to the other, commencing always at the one farthest from the boiler; let the steam remain on long enough to fill the house quite full of vapor, then turn off and allow to settle down quietly; it usually takes from ten to twelve minutes to fill an ordinary sized greenhouse. For a plant of any size it is better to have two sets of tubs and hose connections so that while one house is cooling off the other set can be put in use in the next house, and so on till the whole is completed.

It will be found when taking the tubs out of the houses that there is fully as much liquid in them as there was before turning the steam into them, and it looks as black as the original; this should be drained out from the stems as much as possible placed in tubs or pails and allowed to get quite cold, when it can be used for making the next lot of juice, instead of clear water, which will make the next lot much stronger than the first. Should it be found that the first lot is not strong enough to be effective, it would be better to draw it all off from the first harrel and have a second barrel prepared in the same way, putting the liquid into the latter; thus it will be much stronger after going through the second barrel. The heavier the pressure on these barrels the stronger the liquid will be, and the amount required must be governed by its strength; after a few times the matter can be easily adjusted by the operator. In conclusion, always choose a shall day and a cool one if possible, so that the ventilators can be kept closed tight for an hour after vaporizing, if possible. A little practice will make this a very simple, though like the ordinary fumigating, not a particularly pleasant operation, yet necessary at least it has been found so IOHS N. MAY. by the writer.

#### Steam and Hot Water Heating.

PART VI NECESSITY OF RAPID CIRCULA-

TION IN HOT WATER HEATING SYSTEMS.

When hot water boilers are set with sufficient capacity to properly carry the radiating surface with which they are connected, it will depend largely upon the construction of the pipe system whether or not there will be a waste of fuel. When a boiler has sufficient capacity to heat any certain number of square for of radiation, it means that a

certain number of gallons of hot water must pass out from the boiler through the flow-pipe and return again to the boiler every few minutes, and unless there is proper provision in the pipe system to allow the water to flow freely to and from the boiler, so that as many heat units as possible may be extracted from the products of combustion, the boiler will not be able to do its full duty, and a waste of fuel is the result.

The more rapidly the water circulates from the pipe system through the boiler the more heat from the fire will it absorb. While water is a very poor conductor under certain conditions, it is a very good absorbant and conductor of heat under certain other conditions. Water cannot heat without being put in motion, therefore the more rapid the motion the quicker it will become hot. Heat must be properly applied in order to accomplish its purpose rapidly and economically. It will never do to apply the heat on the top of the water surface.

Unnecessary friction in pipes, heating coils and fittings should be avoided. Long sweep elbows, long return bends and long branch tees should be used in hot water heating in greenhouses, and the ends of wrought iron pipe should be carefully reamed out so as to give as little resistance to the flow of water as possible.

These are special points upon which the successful operation of a hot water heating plant depends. In steam heating plants there is a pressure of pounds to cause circulation through the system, but with water there is scarcely ounces of pressure to cause circulation, hence the necessity for removing every obstruction to the free flow of water through the pipes. A properly fitted hot water heating plant, as per the above suggestions, is worth a great deal more money, is more economical in fuel, and is cheaper in the end than is the usual slipshod methods of con-structing such work. It is often surprising to some persons that there is so much difference in bids submitted for the construction of hot water heating plants, but this is not surprising to the experienced heating engineer, and the difference will be found in the plant after it has been constructed. In accepting low bids from inexperienced persons on such work we never get more than the worth of our money, and often get much less, so that for hot water heating plants the most experienced workers are none too good to employ.

TO INCREASE CIRCULATION.

There are two ways of increasing the effective or motive power, viz., by causing water to cool a greater number of degrees by transit through a greater length of pipe, or by exposing it to more surface in proportion to water contained in the pipes, and, second, by increasing the vertical height. This last is principally depended upon when additional power is required. If the circulation be doubled in velocity the water will pass through the same length in half the time and lose only one-half as much heat, because the rate of cooling is not proportioned to the distance through which water circulates, but to the time of transit. Increased velocity is indicative of increased power, and in hot water apparatus it is increased velocity which overcomes unusual obstructions. Care must be taken in arranging pipes so that water in its descent may not be obstructed by differences of level or angles where air might accumulate. For this effectually prevents circulation by dividing the streams. In running long heating coils it is, of course, necessary to give some fall to the lines in the direction of the water, and for this purpose one inch in twenty feet will answer.

PRESSURE NO AID TO CIRCULATION.

A false impression, quite generally existing, is that an increase of pressure in pipes increases circulation of the water. How-ever, such is not the case, for the reason that the back pressure always equals the pressure ahead. Since difference in the temperatures of the two columns is essential, the water should rise as much as possible directly it leaves the boiler, while it is hottest and lightest, and do most of its falling just before entering the boiler. When coldest and heaviest, and the motive power at best is small, every advantage should be taken of it. Flow pipes should be covered, as stated on other occasions in these articles, to retain the heat at the point where it is to be used. With the return pipe of a hot water heating apparatus covering is not important, as any loss of heat is compensated for by increased circulation. The advantage of conveying the water through ascending pipes from boilers is two-fold. It allows the most free escape for the air and steam, which prevents circulation, and also facilitates the circulation by increasing the actual and relative weight of the descending column.

DISTANCE HOT WATER CIRCULATES.

The distance through which water will circulate in a heating apparatus is very considerable. The limit has not been ascertained, as the higher it rises above the boiler the greater distance it will circulate. Generally it is best to shorten circulations, and an apparatus will be more efficient if run through two or more short circuits than if run through one long one. While impediments are overcome by considerable differences in temperature, the apparatus is most satisfactory when they do not differ widely. a hot water boiler is placed considerably below the pipes and other surfaces the circulation is sure to be rapid, and the circulation should be as short as possible to have but little difference in possible to have out fittle difference in temperature of flow and return pipes. But when the boiler is placed nearly on a level with the pipes it is often necessary to have greater differences in the temperatures, so as to secure a good circulation. Horizontal leading pipes require to be much larger in proportion to their branches than is necessary with vertical leading, or main flow, pipes, for the reason that the friction in an upright pipe is exceedingly small. JAMES J. LAWLER.

DANBURY, CONN.-The wife of Herbert Cocking, one of the oldest florists in Danbury, died on May 18.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 is entitled to a five-line want adv. free to be used at any time during the year.

NITUATION WANTED-By a first-class gardener and florist. Private place preferred. Sate wages H H. HUNT. Evanston, Ill

SITUATION WANTED—By man of 20 years experience in orchids, paims and all-round growing. Good references. Address
A. R. care American Florist.

SITUATION WANTED-By first-class florist, good or will t-ke p ace on shares Good reterences, If care Am. Florist. 57 Bromfield St., Boston.

OlTUATION WANTED—By a married man, middle age, as special beiner by the day or week in private or commercial place; 15 years' experience in outside work. Ref-rences.

WM HELLMANN, Box 81, Onk Park, III.

SITUATION WANTED—As working foreman or otherwise by a good rose grower, also carnations, chrysanthemums, etc: English, single, age 25, steady and suber. State wages. Geo. SPENCER, care C. L. Brunson, Grosse Isle, Mich.

WANTED-A good rose grower. Add ess MULFORD, Jefferson Park, Ill.

WANTED—A single young man for general green-house work. Steady place if satisfactory. 160 43d St., Chicago.

WANTED-A florist and gardener. Must be thoroughly competent Address
OXFORD RETREAT, OXFORD, O.

WANTED-To rent 1500° to 20,000 feet of glass in good repair, near Chicago.
H. C. BLEWITT, Des Plaines, III.

WANTED-As foreman, an experienced rose grower for Villa Lorraine Roseries Apply T. W. STEMMLER. 36 East 14th St. New York.

WANTED-First-class florists' wire design worker. Steady work the year round. Apply with refs. HOLTON & HUNKEL CO., Box 103, Milwaukee, Wis.

WANTED-A competent florist and gardener, as partner; have two places. Very little money required to take half interest in either one or both places. For further information address BB, care American Florist.

WANTED AT ONCE-All-round good florist for roses carnations, muma and general atock. State wages, with references; board, good home, good treatment, steady place.

REX. care American Florist.

WANTED-To rent or lease with privilege of purchase, greenhouses, 8000 to 15000 teet of glass.

Must be in good repair and running order. Address with full partion ars

W.R. care American Florist.

FOR SALE-First-class retail stand, about 5000 feet of glass; new. Has never paid less than \$1300 per year net. Will require \$1000 cash, balance time at 6 per cent. Reason for selling, falling bealth. Address ILLINOIS, care American Florist.

FOR SALE—Four greenhouses, nearly new, aplended retail stand, near business center in residence district, on road to cemetery, paved street. Terms easy, Must retire on account of poor health A CLAUS, 503 N. 4th St., Springfield, Ill.

FOR SALE AT A BARGAIN.

Florist establishment of over 10,000 square feet of glass; splendid situation, 8 lots 35 ft. iront: water, gas and electric light on atreet; greenbousea, office and barn all newly built with all conveniences; heated by ateam. Centrally located in city of 18 (00) population in State of Indiana. Competition none to speak of Leading establishment in the city. Sickness cause of selling. Address Indiana, care American Fiorist.

### For Sale!

Store and established business on West Madison street, Chicago. Reason for selling owner cannot give it his personal attention. C J, care American Florist. Address

#### CHICAGO LOTS FOR SALE.

One block from corner Lincoln avenue and Wellington street, a bunch of lots at \$25 per front foot; sewer and water. Suitable for greenhouse purposes.

P. F. HAYNES & CO.. Telephone L. V. 247. 1004 Wellington St., Chicago.

### NOW READY

THE AMERICAN FLORIST

### **DIRECTORY**

Of Florists, Nurserymen and Seedsmen of the United States and Canada arranged both by States and Post Offices and All. Names ALPHABETICALLY.

FULLY REVISED TO DATE WITH UPWARDS OF

### 3,000 New Names

Price Two Dollars. In Flexible Leather Binding, Three Dollars.

### American Florist Company 🛰 🛰

324 Dearborn Street. Chicago, III., U. S. A.

THE "OLO RELIABLE" FOR

WHOLESALE

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

### WHOLESALE CUT FLOWERS AND FLORISTS SUPPLIES. WIRE WORK 88 WABASHAVE CHICAGO.

### E. C. AMLING Wholesale Cut Flowers

51 Wabash Avenue,

W. S. HEFFRON, Mgr.

....CHICAGO.

### A. G. PRINCE & CO. Wholesale Gut

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

88 & 90 Wabash Avenue CHICAGO. Telephone Main 320B.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

### S. B. WINTER,

(Successor to WINTER & GLOVER,)

21 Randolph St., Chicago.

### HIGH BRADE

PACKED RIGHT.

so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write ue for our Illustrated Catalogue.

# FORCING BL

We have closed contracts with some of the best and most reliable producers for our stock of

Roman Hyacinths, Tulips, Dutch Hyacinths, Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading Forcing Stock.

Give us a list of your wants and we will quote same. Don't forget that we are strictly in it on SUPPLIES OF ALL KINDS.

SEEDS, BULBS AND CUT FLOWERS.

45, 47 and 49 Vaughan, McKellar & Winterson, Wabash Avenue, Chicago.

### Wholesale Flower Markets

| CHICAGO, June 3.                   |
|------------------------------------|
| Roses, Beauties per doz. 1.00@3.03 |
| " Bridea 1 00@ 4.00                |
| " Meteors, Kalserins 1.00@ 4.00    |
| " Bridesmalds 1 00 a 4 00          |
| " Gontiers. Perles 1.00@ 3.00      |
| Carnations, common                 |
| " fancy 2.00@ 3.00                 |
| Marguerites50                      |
| Narelsaua Poeticus                 |
| Harrisli, Callas 2.00@ 5.00        |
| Lily of the valley                 |
| Sweet peas                         |
| GladioII 6.00@ 8.00                |
| Adlantum                           |
| Smilax                             |
| Asparagus40.00@75.00               |
| Pansles                            |
| Pieonles per dozen. ,25@ ,50       |
|                                    |



### J. A. BUDLONG

WHOLESALE GROWER OF

#### ROSES

AND DEALER IN CUT FLOWERS 37-39 Randolph St., - CHICAGO.

88 Wabash Ave., CHICAGO.

Wholesale Dealers and Gut Flowers

CREENHOUSES: HINSDALE, ILL.

### A. L. RANDAI

### Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

### ROGERS PARK FLORAL CO..

Wholesale Growers of

### **FLOWERS**

51 WABASH AVENUE, CHICAGO.

HEADOUARTERS FOR AMERICAN BEAUTIES.

Cood Money for your Flowers. Good Flowers for your Money 49 WEST 29TH ST., NEW

### Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry. Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Strings 8 to 10 feet long, 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

## G BROS

600,000 FEET OF GLASS.

hort notice with all leading varieties

From Sand:

stitutions. We are headquarters Inc Fine American sus a true and convice yourself. s us a trail and convice Per 100 Per 1000

∦3.00 1 00 1 00 r Hill ... at plant rates.

attention to our choice F. out-ait #2.00 per 300 and \$15.00 per 1000

### ROSE PLANTS

American Beauty Plants out of 3-inch pots. \$6 00 per 100.

Out of 212-inch pots. Per 100 Per 1000 \$45.00 American Beauty.....\$5.00 22.50 Meteor..... 2.50 Bride..... 2.50 22.50 Testout...... 2.50 22 50 22 50 Belle Siehrecht...... 2.50 Pres. Carnot ...... 2.50 22 50 Bridesmaid ...... 2 59 20.00 La France ...... 2.50 20 00

REINBERG BROS., 51 Wabash Avenue, Chicago. . 4

... SUPPLY ...

ONLY HOUSE IN NEW YORK HANDLING

EXTRA FANCY STOCK FOR SPECIAL OCCASIONS.

TELEPHONE 2778 38TH STREET.

50 West 30th Street, NEW YORK CITY.

### TRAENDLY & SCHENCK. Wholesale Florists.

Control the slock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange, Tel. 961 18th Street. NEW YORK CITY.

# Vou Want ORCHIDS AND LILY OF THE VALLEY for June Weddings and Graduatious. I can supply you. Order in time..... JOHN YOUNG, 51 W. 28th St., NEW YORK.

### THE NEW YORK GUT FLOWER CO.

II9 and I2I West 23d Street. II2 and II4 West 24th Street.

Telephone 733-18th.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

#### M. A. HART. Commission Dealer Cut Flowers. 44 WEST 29TH STREET. NEW YORK CITY.

THE BEST MARKET IN NEW YORK. 'Phone 1307 38th St.

### Wholesale Flower Markets

| NEW YORK, June 1.                                                   |
|---------------------------------------------------------------------|
| Roses, Beautles. Rybrid 2.00@16 00                                  |
| Bridesmaids, Testouts, Brides 50@ 4 00<br>Morgans, Meteors 50@ 2 00 |
| Carnations                                                          |
| Lily of the valley 1 00@ 3.00                                       |
| Sweet peas, per 100 bunches. 4.00@6.00<br>Harrisll. 4.00@6.00       |
| Smtlax                                                              |
| Asparagus                                                           |
| Cattleyas                                                           |
|                                                                     |

| Boston, June 1.                           |
|-------------------------------------------|
| Roses Beauties, Brunners 3.00@10.00       |
| " Morgans, Meteors 1 00@ 4.00             |
| " Brides, Bridesmaids, Carnots 2 00@ 6.00 |
| Carnations 1 00@ 2 00                     |
| Lily of the valley                        |
| Sniræas, Stocks 1 00@ 2 00                |
| Harristi 4 00@ 6 00                       |
| Sweet peas                                |
| Smllax,                                   |

| PHILADELPHIA, June 1.              |
|------------------------------------|
| Roses, Beautiesper dozen 1.00@3 00 |
| Carnations                         |
| extra                              |
| Harrisii 8.00@10 00                |
| Sweet peas                         |
| Smilax 15.00@20.00                 |
| 1.ong/ftorums 5.00@.8.00           |

# 1612-14-16 LUDLOW ST.

### John I. Raynor,

49 WEST 28th STREET.

NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

**Record Breaking Carnations** ALL THE YEAR ROUND.

### THOS. YOUNG, JR.

\* \* Wholesale Florist

43 West 28th Street, New York.

WALTER F. SHERIDAN. WHOLESALE

### ORIST.

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

### ose Growers

Will find a good market and good returns for their stock at....

**JULIUS LANG'S** 53 W. 30th Street. - NEW YORK.

Edward C. Horan, 34 W. 29th Street, NEW YORK,

WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.

Price list on application.

WM. C. SMITH. Wholesale Florist

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders. Long Distance Telephone 5003 A.

### 9 Chapman Place, 15 Province Street, BOSTON, MASS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

FLOWERS, ALL KINDS.\* PLENTY OF THEM AT

57 WEST 28th STREET. NEW YORK.

TELEPHONE 382 38th St.

### GALVIN&CO.

Wholesale Florists AND DEALERS IN ALL

FLORISTS' SUPPLIES, 4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

### GEORGE A. SUTHERLAND, Cut Flowers # Florists' Supplies WHOLESALE.

67 Bromfield St.,

BOSTON, MASS.

wnotesate Florists ALWAYS ON HAND CARNATIONS.

JOBBERS IN

Horticultural Auctioneers. WLEY STREET. - BOSTON.

Wholesale Florists بعيد

111 West 30th Street, NEW YORK.

Consignments Solicited. Telephone, 260 38th St.

FRANK MILLANG,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange.

NEW YORK.

#### Buffalo.

MEMORIAL WEEK BROUGHT LITTLE BUT FUNERAL WORK TO BISON CITY FLORISTS -NEWS NOTES AND JOTTINGS OF INTER-

The past week was very quiet with the exception of funeral work. On Tuesday a prominent wholesale liquor dealer was buried. The flowers were fine, both designs and bunches. One design in particular, an elk's head of violets and pansies, being most attractive. It was furnished by Wm. Scott. On Friday a leading insurance man and an ex-member of the National Guard was buried and among the many floral tokens was a Rock of Ages six feet high made by W. J. Palmer & Son.

Lily of the valley has been the prevailing flower this week but the quality to-day was inferior to that of the early

part of the week.

brought forth more Memorial Day demand for cut flowers and plants than for designs. The supply of outdoor stock was not over abundant. Narcissi have virtually ceased blooming and pæonies were not very good. Tulips are passed, except the pickled ones held in cellars for a week. Beauties were better this week than last and found ready sale. Bridesmaid and Bride were not so good, while Meteor is still fine.

George Fancourt is sending some fine adiantum plants to W. F. Kasting and

they are selling fast.

Window decorations are very fine at present, each one trying to eclipse his neighbors. Palmer's Daybreak and Meteor are his principal show, while Anderson has a pretty window with Beauties and adiantum. Scott alternated between his famous Genesee, Jubilee and Pingree carnations and a pretty flower bed made in his window with green moss for a lawn. Rebstock is showing some line hydrangeas and Adams had a pretty window of assorted flowers

Carnations were sold in one store for 10 cents per dozen for one day, which hurt the sale with others when the price at wholesale was from \$1.50 to \$3 per

hundred. The board of park commissioners appointed Gen. John C. Graves superintendent of the parks to succeed Wm. Me-Millan. Gen. Graves was a park com-

missioner for lifteen years.

The Chippewa Market presented a gay appearance last Saturday. Flowers and plants of all kinds and quality were to be had and at all prices and were eagerly sought after by buyers for Memorial

Day C. D. Zimmerman, of the Pine Hill Nurseries, has secured the contract for the landscape gardening at the beautiful Italian villa of George K. Birge. W





### Wholesale Flower Markets

| CINCINNATI, June 2.                              |
|--------------------------------------------------|
| Roses, Beauties, select                          |
| Roses, Beauties, Select                          |
| " Brides, Bridesmalds                            |
| Meteors                                          |
| Meteors                                          |
| Carnations .50 a 1 00                            |
| Carnations 1.50                                  |
| Marguerites. Sweet peas                          |
| Lily of the valley                               |
| Callas                                           |
|                                                  |
| Stocks                                           |
|                                                  |
| Adiantum. 50.00                                  |
|                                                  |
| ST. LOUIS, June 2. 2 00@20 00                    |
|                                                  |
| " Moteors                                        |
|                                                  |
|                                                  |
|                                                  |
| 18008                                            |
|                                                  |
| Violata California                               |
| " (10 11 11 11 11 11 11 11 11 11 11 11 11 1      |
|                                                  |
|                                                  |
| Callas                                           |
| Callas                                           |
| MILWAUKEE, June 2.                               |
| Roses. Beautles per dozen 1.50 @ 3.50            |
|                                                  |
| 1 Horles 511008111111111111111111111111111111111 |

|                |          | 3111  | WA   | UK      | EE,       | Jui     | ne 2.  |                              |
|----------------|----------|-------|------|---------|-----------|---------|--------|------------------------------|
| Roses.         | Brider   | 4. Br | ides | mal     | aв.       |         | (6.3.5 | 1 0000 0 00                  |
| **             | Perles   |       |      |         | • • • • • | • • • • |        | . 4 UU(a) ti UU              |
|                | tions    |       |      | • • • • |           | • • • • |        | , 1.50@ 3.00<br>, 3.10@ 5.00 |
| Harris         |          |       |      |         |           |         |        | . S 00m 10 00                |
| Parent         | PB       |       |      |         |           |         |        | . 4 0000                     |
|                |          | veth  | υw.  |         |           |         |        | 00@ .7                       |
| Smila<br>Adlar | x<br>tum |       |      |         | • • • •   |         |        | ** - 1 OV                    |
|                |          |       | ви   | FFA     | LO,       | Ju      | ne 2.  |                              |

| Smtlax                       | .75@ 1.00    |
|------------------------------|--------------|
| Adlantum                     | . (300) 1.00 |
|                              |              |
| BUFFALO, June 2.             |              |
| Roses, Beantles              | 5,00@35 00   |
| Brides. Bridesmalds          | 3 000@ 6 00  |
| " Meteors                    | 3.00 26 6 00 |
| Meteors                      |              |
| " Perles Niphetos            | 2.000 8.00   |
| tt Peleories                 | 0.000 U.00   |
| Competions white and colored | 11309 # 00   |
| b Duchtenk und Iaucies       | 2,11/0 0.00  |
| 1.lly of the valley          | 3 00(6 4 0)  |
| Tally of the valley          | 6 00@ 10 00  |
| Harriell                     | 256 50       |
| Sweet peas                   | 10 10 215 00 |
|                              |              |
|                              |              |
| Asparagus                    | 50 U0@75.00  |
| Аврагакив                    |              |
|                              |              |

| Louisville, June 2.                |             |
|------------------------------------|-------------|
| Roses, Beauties per dozen1.00@2 00 |             |
| Metitos Reldosmulds                | 4.0006 0.00 |
| . Moteora Kalaerina,               | 4.10% 1.19  |
| · Parlos                           | S CHAS F GO |
| Cusputtons Inpey                   | 2 0000 5.10 |
| " COMMON                           | 95 cm 5.0   |
| Lily of the Valley                 | , with the  |
| Calles per duzen                   | ,           |
| Sweet pan                          | , 400       |
| Mignonettes                        | 0           |
| Marenerites                        |             |
| Smelax, per dozen                  | .75         |
| Adduction                          | . (4)       |
| According to surge string          |             |



### C. A. KUEHN, Wholesale Florist,

1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

C. W. WORS 2740 Offive Street, ST. LOUIS, MO. FLOWERS ....wholesale....

.....ROSES, and a full line Headquarters for the South West.....

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E. H. MICHEL & & &

1620 Olive St. ST. LOUIS, MO.



### HOLTON & HUNKEL CO.

SUCCESSORS TO

The Wisconsin Flower Exchange. Fresh Cut Flowers, Florists' Supplies Manufacturers of WIRE DESIGNS

Consignments Solicited.

Phone Main 974

457 Milwaukee St., MILWAUKEE.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

F, KASTING COMMISSION FLORIST....

495 Washington St., Buffalo, N. Y. Also Dealer in Florists' Supplies and Wire Oesigns

#### Milwaukee.

MEMORIAL DAY TRADE WAS A DISAPPOINT-MENT. - SECOND CLASS CARNATIONS. -PARK MATTERS.

Memorial Day business was not all that florists desired. While many flowers and plants were used and a visit to the cemeteries would almost convince one that a big business had been done, each florist seemed to feel that trade should have been better. A very large quantity of second class carnations came in, but many were unsold. There is a good supply of excellent outdoor lily of the valley here now, but it is all grown by amateurs. White lilac sold out well, but purple lilac is not wanted.

There has been a large increase in the planting of shrubbery. Perennials and clematis, candidum and longiflorum, outside grown, promise well. A good rain

is needed.

The park commission has several greenhouses on the Green Bay road leased in which they have prepared quite a stock of plants for bedding. John Dunlop is supplying plants for Juneau Park. The supplying plants for Juneau Park. The Forest Home Cometery Association has donated several thousand geraniums to the park commission.

LEBANON, IND.—Henry L. Moore, to whom W. A. Bilger assigned, has sold the greenhouse to Gustave Minx for \$2,000. Mr. Minx is a young, practical florist. He came from Germany four years ago, and has had charge of the Longcliff greenhouses at the northern hospital for the insane at Logansport.

### GREENHOUSE BUILDING

Full information regarding building and heating Greenhouses is given in "GREENHOUSE CONSTRUCTION," by L. R. TAFF, Professor of Horticulture, Michigan Agricultural College.

PRICE, POSTPAID, \$1.50.

### "Greenhouse Management"

by the same author, treats of the forcing of flowers, fruits and vegetables under glass; also the propagation and care of house plants; insects, diseases and remedies. 400 pages. Just out. PRICE, POSTPAID, \$1.50.

(See review in American Florist, page 1173, April 30, 1898.)

### L. R. TAFT,

Agricultural College (P. O.), - Michigan.

#### FIRST EXCURSION OF THE SEA-SON TO CLEVELAND

via Nickel Plate Road, June 3 to 6 inclusive. \$11 35 for the round trip on certificate plan. Tickets good returning until June 13 inclu-Three through trains daily from Van sive. Buren Street Passenger Station, Chicago. For further information address J. Y. Calahan, General Agent, 111 Adams St., Chi-Telephone Main 3389. (22) cago.

#### CONGREGATIONAL HOME MISSIONARY SOCIETY

meeting will be held in Cleveland, O., June 7 to 9 inclusive, account of which Nickel Plate Road will sell tickets at \$11.35 for the round trip on certificate plan. Dates of sale June 3, 4, 5 and 6 inclusive. Tickets good June 3, 4, 5 and 6 inclusive. Tickets returning until and including June 13. further particulars address J. Y. Calahan, General Agent, 111 Adams St., Chicago. Telephone Main 3389. (23)

### Going, Going, Gone!

and it's your own failt if you don't get the bargains. Auction Sales of Plants every Tuesday, Thursday and Saturday at 9 A. M. at . . . . .

you want to buy, send for Catalogues. & you want to sell, write for terms. & & &

#### IT PAYS!

is his name and he draws the crowd. Go and see him—and hear him—at

60 Vesey Street

### NEW YORK CITY.

You will run up against a lot of your brother florists and you will find plenty of stock there that you can buy and make money on, thus combining business and pleasure, and you will resolve to go

> Every Tuesday and Friday while the Plant Auctions Last ....

### SIGN OF THE RED FLAG.

### Your Spring Plant Trade

will come easier, and be more profitable if solicited in the nice way you can do such things by means of

### LONG'S

Samples for 20 ets, in stamps

### DAN'L B. LONG, Publisher

BUFFALO.

#### **EXCURSION TO CLEVELAND.**

The Nickel Plate Road will sell tickets from Chicago to Cleveland and return at a fare and one third for the round trip on certificate plan, good going June 3, 4, 5 and 6, and good returning until June 13, inclusive, on occasion of the annual meeting of the Congregational Home Missionary Society congregational from Missionary Society in that city. This rate will be \$11.35 for the round trip, which is somewhat lower than via other lines. Those desiring space in sleeping cars should make early application in order to secure the best accommodations.

Any further information cheerfully given by addressing J Y. Calahan, General Agent, 111 Adams St., Chicago. Telephone Main 3389, (2t)

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TRADE ASSOCIATION

\$2.00, in either stiff or flexible cover. ADDRESS ORDERS TO

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For Insurance against damage by hail, Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

THIS IMPRINT ON AN ENGRAVING

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Manz makes illustrations for this paper.

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...THE ...

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FLORISTS' MUTUAL

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#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. IRVING ROUSE, Pres.: E. ALBERTSON VICe-Pres.; GEORGE C SEAGER, Rochester, N. Y. Sec'y and Treas.

EXPORTS of scale-infested fruit are refused on the German frontier.

MR. P. S. PETERSON, of Chicago, the well known nurseryman, is now at a sanatorium for his health.

THE twenty-third annual convention of the American Association of Nurserymen will be held next week. June 8 and 9,

EAGLE GROVE, IOWA.-W. E. Garrat contemplates engaging in the nursery business here upon a large scale. He was formerly in business at Belmond.

An open competitive examination will be held at various cities in New York on June 15 for candidates for the position of inspector of nurseries and orehards. Three officers are to be appointed at \$100 a month, their duty being the suppression of vellows, black knot. San Jose scale and other diseases and pests. Applicants are to be examined as to experience, practical and scientific knowledge.

#### Heikes' Healthy Huntsville House.

The Huntsville Wholesale Nurseries, of Huntsville, Alabama, of which W. F. Heikes is manager, with offices in the Unity Building in Chicago, has obtained by contract and purchase a large acreage at Benton Harbor, Mich., where they are now planting 50,000 surplus rose bushes. It is the intention of the firm to organize at the Michigan town as extensive an institution as that which has long been maintained in the south, the new nursery being devoted almost exclusively to the growing of roses and peach and European plum trees.

Mr. Heikes has been in the south for four weeks preparing to make the new establishment as large a producer of rose bushes as the southern one is of various trees, but he will return in season to reach Omaha for the nurserymen's annual convention, June 8 and 9, after which he will proceed to install in Chicago a store from which his company will distribute every requisite for a well equipped nursery, even to bicycles, carriages and warrons.

#### Connecticut Pomological Society.

The first field meeting of the Connecticut l'omological Society for the season of 1898 will be held at South Glastonbury on the farm of the society's president, Mr. J. H. Hale, in the height of the strawberry season, about the 20th of June. The oig Maximus strawberry and many other new varieties multing in the test plot alongside of many standard varieties under spe in methods of culture, will be the leading feature of interest. although the large helds of berries, chest unt on hards, Japanese plum orchards and the great peach orchards, of which there are note than 200 acres of culti-vated field on President Hale's home farm will be potentially the day's 111-1718 '1 ()

Instruction.

Eindred scattes are invited to send delegates to the adult the field meetings of the Connections solicity and lovers of horizontal and exercise representation this function of the react date of which, programme, even any technical of the secretary H. C. C.M. = Militard Connections.

NEWARK, N. J.—Fernando Assloe has been sent to jail for twenty-five days for stealing bedding plants from East Side park.

GRAND RAPIDS, MICH.—Contrary to the wishes of the politicians Wencel L. Cukierski, who has had charge of the city greenhouses, has been named as park superintendent. Mr. Cukierski knows his business.

Armstrong's

Everblooming

Tuberose & &

A NEW departure in Tuberose growth.

Flower bearing bads continue to form around the old flower stock indefinitely.

Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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### AZALEAS, ROSES, RHODODENDRONS

New and rare hardy plants for forcing. Noveltles in Ferna (raised by the largest London grower). The newest and best varieties of roses; if P. and Tea scented, from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New Englard States.

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My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

SAMUEL C. MOON,

Bucks Co., PA.

Mention the American Florist when corresponding with an advertiser.

### Notice!

The extensive collection of Foreign Grape Vines of our manager, Mr. John

G. Gardner, has been transferred from Jobstown, N. J, to our Nurseries at Stoke-Pogis, Pa., and all orders can now be premptly filled by addressing the undersigned. Descriptive catalogue mailed on application. Those in the trade having wealthy clients, with hot or cold graperies can procure for them, from this collection, the latest and best acquisitions, as well as the standard sorts. On and after JUNE 15th the plants will be ready to ship in pots, well-established, and in first-class condition.

### Stoke-Pogis Nurseries,

Juniper and Walnut Streets. - PHILADELPHIA.

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20,000 American Arbor Vitas, 2 to 8 feet specimens

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5,000 Pyramidal Arbor Vita, 2 to 4 feet.
20,000 Compacts, Globe and other dwarf Arbor Vitas, all sizes.
3,000 Nordman's Silver Fir, 1 to 2½ feet.
2,000 European Silver Fir, 2 to 4 feet.
5,000 Hembeck Spruce, 1 to 4 feet.
10,000 Norway Spruce, 3 to 8 feet.
10,000 Retinosporas, Squarrosa, Plumosa, Plumosa aurea and other sorts, 1 to 5 feet.
5,000 Irish Junipers, 1 to 2½ feet.
5,000 Irish Junipers, 1 to 5½ feet.
1,000 Pines, Austrian, Scotch, Excelsa, White and dwarf varieties, all sizes.
1,000 Euronymous Japonica, 48 to 36 inches.
2,000 Euronymous radicans variegata.
1,000 Euroish Holly, 1 to 4 feet.
3,000 Maltonias aquifolia and Japonica.
3,000 English Ivy, strong plants,
Prices low, Uorrespondence solicited.
THE WM. H. MOON CO., Morrisville, Pa.

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Ileadquarters for Japan Lilles. Cycas Revoluta, Morning Glory, all k nds of Japanese plant, seeds etc., etc. Large assortment at Aways in stock. Orders promptly executed. Write for catalogue. The Tokyo Nurseries Co.

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### 36 First Prizes out of 39 entries in 1896 and 1897. Peacock's **Prize Winning Dahlias** Send for 1898 illustrated wholesale cata-ogue before placing orders elsewhere.

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**WANTED** in every live city in the world. We enable you to deliver flowers by telegraph. A profitable convenience. For particulars, write

C. B. WHITNALL, MILWAUKEE, WIS. 438 Milwaukee St.,

#### Cincinnati.

FIRST RECEPTION AND BANQUET OF THE FLORISTS' SOCIETY WAS A CULINARY AND SOCIAL SUCCESS.—BUSINESS FAIR.— RUDOLPH GOES TO EUROPE.

Business was very dull during the early part of last week but was revived by several large funerals, and orders for Memorial Day used up all available stock and by Saturday all commission houses were cleared out once more. Memorial Day is now past and both growers and dealers report a small decrease in demand.

Max Rudolph, of 71 Twelfth street, will leave next week for Germany to visit his

parents.

One cannot but agree with Charles Dudley Warner when he said that the world can not get on without receptions, and the Cincinnati Florists' Society made no exception to this rule. On May 25 at 8 p. m. fifty-two florists with their wives and daughters gathered at the society's club rooms to enjoy the first banquet and reception. The menu of several courses was served at tete-a-tete tables with Pres. Witterstaetter and ex-Pres. Gillett presiding. Mr. Gillett extended a welcome to the guests and Pres. Witterstaetter, in a brief speech, presented the medals to exhibitors scoring the highest number of points during the season, as follows: A. Sunderbruch's Sons, first; City Greenhouses, G. Scheibely, gardener, second; George & Allen, third. In addition to the above prizes Geo. S. Bartlett, of the Cincinnati Desicenting Co., offered one ton of his bone flour divided into four prizes, Wm. Murphy, 400 rooted carnation cuttings of 1897 400 rooted carnation cuttings of 1897 introduction, R. Witterstaetter, 250 Evelinas and Theodore Bock, 300 new chrysanthemums. E. G. Gillett, as toast-master, called upon Wm. Murphy to toast the Cincinnati Florists' Society. Judge Theodore Bock was presented with a handsome gold headed umbrella and was completely surprised. He thanked the boys and advised them to keep on with their good work. Geo. Bartlett with their good work. Geo. Bartlett answered to the toast of America. The mandolin club played several patriotic selections. Frank Ball reported that we will have an outing on July 21, at Shady Cooney Island. Edward Hoffmeister spoke entertainingly of the history of the Queen City. Ben George related some of his cabbage stories. Henry Schwarz read a comic paper entitled, "Gardner Wanted," and Charles Jones retaliated because he thought the humor of the effort was too broad. It was a late hour before the festivities ceased.

H. SCHWARZ.

COBDEN, ILLS.-A. M. Lawver, whose death occurred in San Francisco on May 12, years ago established here the most extensive orchards in Illinois. He was born in Pennsylvania in 1846 and was educated at the Polytechnic Institute at Troy, N. Y., and at the University of Albany. He was a recognized authority on apple culture.

Los Gatos, Cal.—The Los Gatos Floral Society met May 25. There were discussions and excellent displays of roses and carnations.

### August Rölker & Sons Cape Flowers, Cycas Leaves, Florist Baskets,

Send for trade list; also for prices on fall bulbs azaleas, etc., imported to order. Addres

52 Dey Street,

NEW YORK.

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BECAUSE WE HAVE YOU ALL SUPPLIED WITH DECORATION DAY GDODS.....

We are now ready for June with its weddings, school graduations and college commencements. To the wide-awake, "get there" florist this is one of the most profitable months of the year.

You need fresh baskets, in fashionable designs and modern effects. These we are now opening in new materials and combinations. There is money in these goods at the prices we shall quote you.

Consignments of New Cape Flowers just received. Ribbon letters,

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A Big Assortment. Send for Catalogue.

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The largest and finest stock of white doves on earth. 🚜 Write for prices. \* \* \* \*

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See that my signature is stamped on every dove.



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This wooden box picely stained and var-nished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 14 or 2-inch size, per 100, \$2.00. Script Letters, \$4. Fastener with each letter or word. Used by leading fiorists everywhere and for sale by all wholesale florists and supply dealers.

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### SMALL GREEN For use with.... VIOLETS

Stiff, wiry stems. Work up beauutifily. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

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Galay Leaves, Cut Palm Leaves, bouquet green, Moss (sphagnum and green), Laurel Roping, Xmas Trees; overything in the green line always in stock at

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BRILLIANT GREEN AND BRONZE

### GALAX LEAVES.

For Decorating and all Florists' Designs. CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

### HARDY CUT FERNS

NEW CROP arriving daily, \$1.50 per 1000. Discount to wholesale jobbers. Prince's Pine, 6c per lb. Headquarters for Gaiax Leaves. Laurel festooning, 4 to 8c per yd; Laurel and Prince's Pine Wreaths for Decoration Day, made to order. Fine green Moss in bile, \$1.00; in sacks, 75c. Our goods are always the best to be obtained for the money. Prompt attention to all orders. Sead in your orders new for Ferna for Decoration Day and you will be sure to have them

#### Crowl Fern Co.

27 Beacon Street, - BOSTON, MASS.

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#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION. JEROME B RICE Pres: E B. CLARK, 1st Vice Pres: S F WILLARD, Wethersfield, Conn., Secy and Treas.

MR LEM BOWEN, of D. M. Ferry & Co., is in California.

ONION seed prices in California are reported firmer.

FIRES in northern Wisconsin have destroved some valuable lots of dry sphagnum moss.

M. THORNBURN & Co., New York, will remove to 32 Cortlandt street about the middle of June.

Dallas City, Ill.-Heisler & Maxwell are putting up a large building for an agricultural and seed store.

FREIGHT rates from southern French ports have advanced 10%. This will affect the cost of French forcing bulbs.

CHICAGO.-Chas. P. Braslan's connection with Joseph Breek & Son, expired by limitation June 1. Mr. Braslan retains part of former office, while Messrs. Breck & Son have a temporary office in the same building. Mr. Braslan expects to visit California about June 15. F. Craig. of R. G. Craig & Co., Memphis, Tenn., is in the city.

The American Seed Trade Association will hold its sixteenth annual meeting at Old Point Comfort, Va., beginning Tuesday, June 14. A good attendance is expected. Full particulars as to routes, etc., can be had on application to Secretary S. F. Willard, Wethersfield, Conn. A rate is made from New York City of \$13 for the round trip, with a thirty day limit. Western members not going via New York are recommended to use the Chesapeake & Ohio R. R.

PROF. W. W. TRACY, in an article on seed breeding which appears elsewhere in this issue, hints at a work which should profitably engage the attention of the various Experiment Stations and the Department of Agriculture, namely, defining and describing the essential characteristies of the ideal types of our useful plants. This would materially aid seed growers in establishing a basis for intelligent selection, and assist a growing industry of paramount importance to the country at large. These institutions have done much good work in the interest of agriculturists and horticulturists, while much of their chort appears to have been of questionable utility. But there are many ways in which they can be of service, and it is only men of large experience like Prof. Tracy who, by advice and suggestion, can properly limit the theoretical work, and interweave the really practical.

#### Burpee's New Warehouse.

On Wednesday, May 25, W. Atlee Bur pee & Co vacated the premises at 175 and 177 No Litth street, running through 16 476 and 478 Vork avenue, which they had occupied as their Philadelphia, ware house and offices for the last sixteen years. This building which has some historic associations, having been used during the war as a hospital and Provost Marshal's office, is robe forn down imme diate v and n new modern warehouse designed by Architect Charles R. Lee, to be erected. The contractor, James Johnston, has agreed to have the new huiding completed in October meanwhile W

Atlee Burpee & Co. have rented as temporary quarters a building at the corner of Fairmount avenue and Randolph street. The moving was so carefully planned that the filling of the orders (which of course are comparatively few

The new warehouse is to be seven stories high, of modern steel open mill construction, with frontage on both Fifth street and York avenue of light pressed brick and terra cotta. It will be the largest seed warehouse in Philadelphia and the proposed interior arrangements will make it the most complete for facilitating the prompt dispatch of orders.

As in the old warehouse the offices will occupy the entire frontage on the ground floor on the Fifth street side, while the receiving and shipping of goods will be handled on the York avenue side, where will be located the elevator shaft and the shipping clerk's office. A macadamized pavement will allow drays and wagons to unload directly into the ground floor or elevator. A sub-cellar will extend under the York avenue pavement so as to keep the heat of the steam plant away from the main cellar, which will be used as heretofore for the storage of potatoes and bulbs.

second floor will be devoted to the flower seed and mail order departments. The third floor will contain the The seed papering and steam printing rooms, besides extensive shelving for the storage of seeds as done up in packages. The fourth floor will be given upentirely to the freight and express and wholesale order departments. The fifth, sixth and seventh floors will be used for storage of seeds in bulk and, as indeed with the entire building, have the benefit of ample light and ventilation.

With the enlarged warehouse and modern conveniences Messrs Burpee & Co. will be able to handle their increasing trade next season with the utmost promptness and dispatch.

Syracuse, N. Y.-Walter Meneilly has brought suit against the city for \$1,250 damages inflicted upon his plants and nursery stock by the overflowing of his property, for which he holds the city responsible.

### CHINESE PRIMROSE ...SEED...

Greatly Improved and well-known to be of extra the strains. Packets put up specially for Florists, of best single and double varieties 100 seeds \$100. Plants rendy in August. Cineraria seed of large flowering dwarf varieties in cooleest mixture pkt, 25c; 6 pkts., \$100. Primula Obconica, pkt. 100 seeds, 35c. Primula floribunda, fine ye low pkt. 25c.

JOHN F. RUPP. Shiremanstown, Pa.

### ್ಷ ಕ್ಷಣೆ ಕ್ಣ The Only Machine

on the market for automatically filling and sealing seed packets

The Brown Bag-Filling Machine Co. FITCHBURG, MASS., U. S. A.

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CINCINNATI BAG CO.
Second and Walnut Sts.. CINCINNATI. 0-

OUR NEW DIRECTORY will be promptly a to to you on accept of order os (pand, only 82)

at this season) was not delayed a day.

# RAFFIA BEST QUALITY. LONG MADAGASCAR Notwithstanding the higher market on this item I am still offering at the old figure so long as present stock lasts.

stock lasts

ceive the same careful attention.

Grafting Wax

Trowbridge's Celebrated Grafting
Wax, the genuine article, 1 lb. bars
at 19c; ½ lb. bars at 20c; ½ lb. bars
at 21c per pound. Rebates: 10 lb.
lots, 5 per cent; 25 lb. lots, 10 per
cent; 50 lb. lots, 15 per cent; 100 lb.
lots, 20 per cent. Address all orders
and correspondence to Juniper and
Walnut Streets, Philadelphia, Pa. Tr.

Wax, the
at 19t: ½
at 21t per p.
lots, 5 per ce.
cent; 50 lb. lots.
lots, 20 per cent.
and correspondence to Walnut Streets, Philade.

G. C. Wats
Seedsman.

Seed Stores and
Flower Stores.

In profitably handle our ODORS PLANT FOOD, Write for
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In profit guaranteed.....

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#### BURPEE'S SEEDS PHILADELPHIA.

Wholesule Price List for Florists and Market Gardeners.



### TRY DREER'S GARDEN SEEDS.

Plants, Bulbs & Requisites.
They are the best at the lowest prices. Irade List issued quarterly, mailed free to the trade only. HENRY A. DREER, Philadelphia, P.

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Send for quotations on all Florists' Bulb Stock.

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"ENGLISH" MELONS

(FOIR FORCING)

FLOWER SEEDS FOR FLORISTS
Catalogues on application.

WEEBER & DON, Seed Merchants and Growers,

IT IS GOOD BUSINESS POLICY TO MENTION THE MERICAN LUCKIST WHEN YOU WRITE TO AN AMERICAN I

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DIRECTORY



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3,000 NEW NAMES ss OF ss

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POST OFFICES AND ALL NAMES \*\*

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PRICE TWO DOLLARS.
IN FLEXIBLE LEATHER BINDING, THREE DOLLARS.



American Florist Company,

324 DEARBORN STREET, CHICAGO, ILL., U. S. A. &

#### Greenfield, Mass.

Memorial Day trade was fully up to last year's standard but the business of all local florists is injured during May and June by the quantities of wild flowers in the vicinity.

and violets have been Carnations planted in the fields since April 22 and are

looking well.

E. B. Beals, of the Sunny Dell Greenhouses is planning a chrysanthenum show for November. He has distributed 600 plants among school children and offers four fine prizes for the best exhibits at the show which will be held in Grinnell Hall and will be quite a pretentious affair.



#### Good Stock! Low Prices!

NEW YORK CITY.

404 East 34th Street.

CANNAS strong plants of Alphonse Bondale, Paul Marquant, Wm. Elliott Bisson, Sec. Stewart. Flamboyant. \$4.00 per 100; \$25.00 per 1000.

COLEUS Crimson Verschaffeltii, Golden gueen and Golden Bedder, \$2.00 per 1000.

JOHN SCOTT.

KEAP STREET GREENHOUSES. BROOKLYN, N. Y.



DORT CDAIG & SON ROBT. CRAIG & SON Roses, Palms and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA 

### Orchid

LAGER & HERRELL, - Summit, N. J.



DAGE CRUM PURE STOCK . SOUND AND WELL RIPENED

I have 3 sizes Japan Longiflorum-5 to 7, 7 to 9, and 9 to 10 inches, but as the large size is in short supply, I can book same only when some of the other two are taken, and l advise early orders, as there is a run on the Japan Stock this year. Delivery September 25th to October 15th, 1898. Prices guaranteed, 1 will be pleased to have a list of your wants in this item; also in Harrisil, Romans, Paper Whites, Dutch Bulbs, Valley, etc. Let me hear from you. All orders, large or: mall, receive the same careful attention. Address all communications to Juniper and Walnut Sts., Philadelphia, Pa.

G. C. Watson.

### Crotons...

IN VARIETY

Rothschild, Hawkeri, Interruptum, Evansianum, Rubra Lineata, Andreanum, Aurea Maculatum and others, suitable for bedding. Fine plants in 3-inch pots, \$2.00 per doz. New and rare varieties, 50 cents each.

Aurea Maculatum, extra fine plants in 4-in. pots, \$250 per doz.; \$15 per 100; 3-inch pot plants, \$20 per doz.; \$15 per 100; 3-inch pot plants, \$2 per doz.; \$10 per 100; thumb pots, \$1 per doz.; \$6 per 100.

#### Edwin Lonsdale,

Money Order Office, Station H, Phila.

CHESTNUT HILL. PHILA., PA.

dants. 5-in. pot 18 to 20-in. high, per 100, \$40.00 dants, 40-in. pot, 48 to 50-in. high, each. 4.00 dant. 2 in. pot, 8 to 12-in. high, per 100, 5.00

#### **COCOS WEDDELIANA**

#### KENTIA BELMOREANA

21,-in., 3 leaves, 10 to 12-in, high, per 100, 3 un. 4 or 5 leaves, 15 to 18-in, high, per 100, 5-in. 4 to 6 leaves, 20 to 24-in, high, each.... All measurements from top of pot.

JOSEPH HEACOCK, WYNCOTE, PA. Mention American Florist when writing.

### The Finest Winter Flowering Plant of the Century Begonia Gloire de Lorraine

THIS line variety keeps up a succession of bright rosy pink blossoms throughout the Winter, (1) invaluable for florists work. H. B. May. tho was the first to bring this striking novely into popularity holds the finest stock in the road Orders for export carefully packed.

H. B. MAY,

Oyson's Lane Nurseries, Upper Edmonton, London.

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L VRGLST Growers of Palms, Orchids, Stove and Greenhouse plants, Ferns, Vroccarius, Pandanus,

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

# ASPARAGUS

From 2-inch pots, good stuff, per 100, \$5.00.....

Cycas Revoluta, dormant stems, size from 3 to 10 lb.

cycas revoluta, dormant stems, size from 3 to 10 lb. (a 12c per lb.)

Clothide Soupert, the great pot rose, our stock is A No. 1, 2-in. (a \$3.00;  $2^4$ /s-in. (a \$4.00; 3-in. (a) \$6.00;  $3^4$ -s-in. (a) \$9.00 per 100.

Dahlias,  $2^4$ -s-in. pot plants, in named varieties, per 100, \$5.00.

Pelargoniums Mme. Thibaut, Mrs. Robt. Sandiford, Edward Perkins and Dorothy, strong 3-inch stock, per doz., \$1.50; per 100, \$12.00.

### CANNAS

Plants from 2½ and 3-inch pots @ \$4.00 per 100. Alphonse Bouvier, Austria, Italia, Discolor, Exp. Crampbel, J. D. Cabos, J. W. Elliott, Mrs. J. M. Samuels, Midway, Madam Crozy, Paul Marquant, P. J. Berckmans, Sophie Buckner, Stella Knast, Star of '91, F. R. Pierson, Madagascar, Mrs. F. L. Ames, Mue. A. Bouvier, Octave Mirabeau.

Cuba Libre, Egandale, Florence Vaughan, Etendard, Pillar of Fire and Papa & \$5.00 per 100, 

#### FORCING ROSES

We have a flue stock of Brides, Bridesmaids, Perles, Meteors, Gontiers, American Beauties, Kanserin Augusta Victoria, Pres. Carnot and Mrs. Robt, Garrett from  $2\frac{1}{2}$  and  $3\frac{1}{2}$ -inch pots.

Send us your list to price,

### **VAUGHAN'S SEED STORE**

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CYCAS REVOLUTA. The true, long-leaved variety. Freshly imported, dormant stems. Run from 6 to 9 mehes in length and weigh from 5 to 10 lbs. ch. Note the price: 10c, per 1h., \$8 per 100 lbs., \$75 per 1000 lbs., \$01lbs. at 100 rate; 500 lbs. at 1000 rete. Special prices on larger quantities.

#### UNITED STATES EXOTIC NURSERIES

(Formerly Pitcher & Manda.) SHORT HILLS, N. J. Wholesale Catalogue Palms & Ferns on application. Mention American Florist.

#### Notes on New Carnations.

I spent a pleasant hour, a few days ago with Mr. Peter Fisher, of Norwood, Mass. Having seen his new carnation, Mrs. Lawson, in its prime, I wanted to see it again at the end of the season. Consider-ably stripped for stock, it is remarkable how it holds out, a perpetual bioomer with Malmaison proportions. Though not generally known, it is a cross between Daybreak and Van Leewen, which latter will be remembered as resembling Tidal Wave, and belonged to the European type of perpetual. Experts know Mrs. Lawson well; to others we would describe it as a salmon tinted, rose pink. Three thousand flowers were gathered from five hundred plants during the month of March.

Klondike is not so large but is better in form and color than Mayor Pingree. is early, productive, with a well built flower, a good stem and tolerably free from rust. No yellow as yet, rank with Eldorado when well grown. Klondike is a cross of Edith Foster and Thos. Cartledge. All Mr. Fisher's yellows have had Cartledge as part parent. This same cross produced Morning Star, a new white now under a second year's test. This is not an exhibition variety, though commercially among the most profitable. Fragrance, form, productiveness and purity of color are all that could be desired, the flower lacking only size. Freedom improves every season. It is distinctly perpetual, early, large, and fully justifies its name. When well grown, there are few poor flowers. Mrs. Bradt is considered an acquisition among striped varieties, and here as elsewhere it has shown a red sport. This sport, I am shown a red sport. This sport, I am told, is not reliably constant. Freedom has been crossed by Mrs. Bradt, giving two-thirds purple and one-half single flowers, none worth keeping. My seedlings of the reverse cross, to bloom this season, will be watched with interest. Nicholson's Camp Fire is productive and standard among scarlets. Mr. Fisher's comparison hetween Bon Ton and Wellesley is decidedly in favor of the latter.

Among coming novelties much is expected of The Maine, an improved Mrs. Lawson. I can imagine the experts saying: "One at a time, please." Here is also an improved Wm. Scott, named Alice. In habit there is no difference, and the variation can only be seen when two flowers are placed together. The purple tint unnoticeable in Scott alone is seen at once on comparison. There is also a new Daybreak from Mrs. Lawson, and an improved Morning Star. This latter is not a seedling from Lawson. T. D. 11.

### **Dutch Bulbs**

HYACINTHS, TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO., Hillegom, Holland.

American Representative

L. C. BOBBINK, Rutherford, N. J. ASK FOR CATALOGUE.

Mention American Florist.

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VAN ZANTEN BROTHERS. HILLEGOM. HOLLAND.



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# Lilium Longiflorum

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For immediate order we quote the following Low prices.....

| 6 | to | 8-inc | h | er 100<br>\$3,50 | Per 1000<br>\$27.50 |
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| 7 | to | 9 4   |   | 4.00             | 35,00               |
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Fresh Seeds of Kentia Belmoreana and Forsteriana by the case of 5000 Seeds received direct from Australia. Price \$17.50 net cash, F. O. B. New York. Prices for large quantities on application.....

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50,000 plants in 2½-inch pots, \$5.00 per 100, X press; 24 for \$1.50 by mail. . . . . Specimens for 8-inch pots, \$6 and \$12.

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THE FINEST STOCK IN

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Palms **Bay Trees** 

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THE American Florist Company's DIREC-THE American Florist Company's Outcome 10RY of Florists, Nurserymen and Seedsmen of the United States and Canada arranged both by States and Post Offices and all names Alphabetically. Fully revised to date with upwards of 3,000 New Names. Price \$2.00; in flexible leather binding, \$3,00.

American Florist Company,

324 Dearborn St., Chicago, Ill., U. 5 A.

#### Helpful Reminders.

You may be requested to plant geraniums in a bed of tulips. Some customers have been given to understand that these plants are good year after year and they will ask you to save them for them next fall. Do not let such impressions go unnoticed. If you do your customer will possibly be disappointed next season and blame you. Explain to them that no bulb ever blooms twice; that a new bulb is formed very close to the old one and, if properly developed, will be a duplicate. which for practical purposes may be considered the same bulb. Where the development is not perfect the bulb will be small and then people say that their bulbs grow smaller and the bloom is interior. The leaves should not be cut off but the seed pods should be. Do not dig up until the foliage has dried off.

Label a large envelope "Orders for fall planting," and put it in your desk. Just now you can take orders for many things you cannot supply on demand. Put them in this envelope and in August you can look them up and have quite a little fall trade secured which, without the envelope, you might forget. Order now such seeds as you will use in July, such as primrose,

cineraria and pansy.

Bamboos are sending up new shoots from the ground. Give them a shift and rich soil with good drainage as quickly as you can. Keep them growing. Get almost everything from under your benches. Tuberoses, begonias and gloxinias should be growing; small pots and light soil will do now; give them a shift later on.

A few fancy caladiums should be started now as they are valuable for summer decoration an are easily kept from one season to another. Pot plants of dahlias in bloom sell well and will rival the canna. You cannot do better than get a full set of named varieties for your trial ground.

Longiflorums planted outside last fall are looking well for bloom about June 20 and they are quite useful at this time. If you have not provided any make a memorandum and put it in your envelope for fal work. Gladioli on benches are in bud now; plant the balance of your bulbs outside. This is the time to get your local newspaper man to write up the beautiful features of many lawns and gardens, mentioning Mrs. Jones' beauti-ful almond, Mrs. Smith's perfect for-sythia, Mrs. Brown's excellent Canary Bird tulips, etc.

Do not plant out all unsold pot plants. Everything that is good for Easter, such as hardy roses, particularly Crimson Rambler, hydrangeas and all shrubs,

should be kept in pots.

When paronies are coming on poorly, with the buds covered with ants, bore two holes three leet deep, put in about two pounds of sheep manure, pour in at least a barrel of water and fill up the holes. Do not wet the surface of the C. B. W. ground

Acrona, 111. The auptials of Grace cralding Smith, daughter of Mr. and Mrs. Wickliffe L. Smith, and Miles. Bron. son, of Clevcland, Ohio, were solemnized on June 2 by Dr. L. W. Lounsbury, the divine who, nearly a quarter of a century ago, completed the hymeneal compact of the bride's parents. The bridal partylete for the east in Mr. Bronson's private car received above the ceremony. Mr. and Mrs. Bronson will reside in New Yeak that where the ground is private secretory to President Calloriay, of the New York Certral Radson

### YOUNG

### **ROSES**

**PLANTS** 

ALL STOCK SENT OUT IS FIRST-CLASS IN EVERY RESPECT.

| From               | 2¼-inch | Pots. | Per 100    | Per 1000       |
|--------------------|---------|-------|------------|----------------|
| AMERICAN           | BEAUTI  | ES    | <br>\$5.00 | \$40.00        |
| BRIDES             | <b></b> |       | <br>3.00   | 25.00          |
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| METEOR             | <i></i> |       | <br>3.00   | 25.00          |
|                    |         |       |            |                |
| PERLE              |         |       | <br>3.00   | 25.00          |
| METEOR<br>KAISERIN |         |       | <br>3.00   | 25.00<br>25.00 |

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# 40,000 FIRST QUALITY FORCING ROSES

Fully equal to those sent out the last six years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating. Wooton, La France, American Beauty, President Carnot, 3-in. pots, \$8 per 100; 4-in. pots, \$12 per 100. Meteor, Kanserin, Sunset, Bon Silene, Mermet, Perle, Goutier, Bridesmaid, Belle Siebrecht, Mmc. Haste, Niphetos, Bride, 3-in. pots, \$7 per 100; 4-in. Bloomsburg,

Bloomsburg,

Robt. Garrett pots, \$10 per 100. J. L. DILLON, Bloomsburg, Pa.

OWN ROOTS & DORMANT & & FIELD GROWN

#### IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 feet, cut back to 2 feet Yellow Rambler (Aglaia) Hybrid Perpetuals, Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

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### Rose Plants...

Fine Bride, Bridesmaid, Perle, Sunset and Meteor,

 $2^{+}_{\text{g}}\text{-inch Rose pots}\dots$  \$3.00 per 100. 3-inch pots, standard.... 5.00 per 100.

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Fine young plants, healthy and strong:  $2^{12}$ -inch pots, \$8.00 per 100, \$70.00 per 1000.

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HANDY FOR WESTERN GROWERS

Beauties, Brides, Maids, Meteors, Woottons and Perles, 24/3 and 4-m. Strong, clean, healthy stock, cheap for cash, to clean up, It you wint good stuff at prices to suit write us for prices at once. Address.

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DIRECTORY Of Florists, Nur-serymen & Seeds-non of the United states and Canada Price Two Dollars In Flexible Leather Hinding, Three Dollars.

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Winner of 6 certificates, medal and silver cup. \$3.50 per doz., \$25.00 per 100. A fine stock of young chrysonthennums and cartatious. Send for trade list describing above in detail.

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FROM 2 1-2 INCH POTS.

Strong, thrifty, well established plants. General price \$4.00 per 100. Extra fine lot of Crimson Ramblers.

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### ROSES..

2-in, per 100 3-in, per 100 \$.. \$5.00 Am. Beauties ... Perle . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50

4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

### Memorial Rose

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON.

MORRISVILLE, Bucks Co., PA.

### 2-YEAR-OLD ROSES

from 4 m, pots m variety, \$5,00 per 100, CARNATIONS, \$2,50 per 100 from 2½, meb, pots, Scott, Portin, McGowan, also all voung roses and general stock, TIGON VINES, \$2,50 per 100

THE NATIONAL PLANT CO., Dayton, O.

### Do You Need Young Rose Stock

In planting, out of 3-in pots: A dollar more on the bundred 1- nothing if you get better stock. Send site or \$1.00 in stamps for samples of what you want to

GEO. A. KUHL,

Montton tide poper.

.... PEKÍN, ILL.

#### Carried Over American Beauty Plants.

Mr. Robert Simpson's replies to queries from correspondents are always intelligent and to the point. Experience which I have had along the lines heading this note may be of some little interest to your readers.

Last year I tried old American Beauty plants in various ways and in different houses with varying results. One house I left entirely undisturbed, and the after treatment it received, judging by the results, was not anywhere near being correct. The plants were given a partial rest for six or eight weeks—from early in July to the middle and latter end of August. Part of the house was pruned back hard one week later than the other, with no perceptible difference in favor of either when the time for cutting extra fine blooms arrived. This house is devoted entirely to solid beds.

The plants "broke" fairly well, though the leaves when developed were a trifle more yellow than I like to see in a rose at any stage of its existence. When this When this state of affairs presents itself, it is the natural impulse of most gardeners and florists to withhold water. This, I think now, is where we made a mistake, for I firmly believe that the plants did not receive sufficient water; and if I have the courage to try a similar experiment! will give them much more than those complained about received last summer and fall. I feel now that it would be a difficult matter to give old undisturbed plants too much water in a well-drained solid bed during the heated term of summer and early fall.

Another matter worthy of recording is that the warm end of the house has been the most profitable, which is proof, I think, that old plants require more heat during the fall and winter than do younger plants. The difference in the temperature during the night was not more than two degrees, yet the beneficial effects of those two additional degrees of heat were very apparent during the whole winter. Another experiment I whole winter. Another experiment i tried was lifting the plants after pruning them to within two or three eyes from the base of the shoots, and heeling them in outside, where they remained until all the old soil was wheeled out and replaced by you. These plants gave fairly good by new. These plants gave fairly good results, and under certain conditions I would not hesitate to do the same again. When the object in view is to plant early for early cutting, my observations lead me to the belief that better results will be obtained than if the present years cut-tings are used—unless the plants result-ing therefrom be unusually strong. I will experiment a little again this year, but am not inclined to try soon again to leave the old plants in all summer undisturbed. EDWIN LONSDALE.

#### English Flower Pots.

In perusing English gardening articles the American reader may be often puzzled to make out the size of the pot mentioned. The following list will be found useful, Small 60's, 3-inch; large 60's, 4-inch; 48's, 5-inch; 32's, 6-inch; 24's, 7-inch; 20's, 8-inch; 16's, 9-inch; 12's, 10-inch.

### Changes in English Methods of Exhibiting Roses.

The National Rose Society in its present schedule provides for a few classes to be exhibited in vases with stems and foliage. The Gardeners' Magazine in commending this change advocates going a step further and abolishing the boxes for all exhibits of small numbers and showing them "American fashion." Americans will wonder why any discussion is necessary on this matter and why any one who admires a beautiful vases of roses on long stems with fine foliage would ever advocate the sacrifice of all this beauty in an exhibition hall.

Ansonia, Conn.—Morris A. Hill died at his home here on May 27, aged 63 years. For fifteen years he had been the leading florist of Ansonia and the superintendent of Pine Grove cemetery. Mr. Hill had been in failing health for a long time. He leaves a wife and five children.

# Rose Plants

INCH POTS.

| AMERICAN BEAUTIES\$5.00 | Per 1000<br>\$45.00 |
|-------------------------|---------------------|
| METEORS 3 00            | 25,00               |
| BRIDES                  | 25,00               |
| MAIDS                   | 25.00               |
| PERLES 3.00             | 25.00               |

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Wholesale Growers of ....

CUT FLOWERS ROSE PLANTS..



51 Wabash Ave. CHICAGO

In A-1 stock of all the leading varieties. Now ready at reasonable prices. . . . . .

### Carnations...

Only a few left of Lily Dean, the best of all the fancy varieties.

### Chrysanthemums

All the new ones of this year's introduc-tions and all the best of former years in splendid condition for immediate ship-ment.

All the really good dis-tinct varieties in extra strong stock from 4-inch pots. Write for special prices on large orders to . . .

Summit, New Jersey. JOHN N. MAY, = 

Chrysanthemums

Mrs. S. T. Murdock, Mine. F. Bergman, Whilldin, H. L. Sunderbruch, Eda Prass, Inter Ocean, V. Morel, Childs, John Robinson, Philadelphia, Dailledonze, Ivory, Yellow Queen and others, 21,2 and 3-inch pots, \$2,50 per 100.

and 3-inch pots, \$2.50 per 100. . . . .

McDONALD & STEELE, Crawfordsville, Ind.

20c each, \$1.50 per doz., \$10.00 per 100

### **Ghrysanthemum** GRAHA

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 24<sub>2</sub>-in. pot plants strong, \$2.50 per doz.; \$20.00 per 100. Stock rendy April 15th.

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### Chrysanthemums, 21g-in. Carnations, from soil.

Geraniums, 3-in.

All fine stocky ...plan1s

Cannas, 4-111.

Write for Quotations

The Cottage Gardens, OUEENS, L. I.

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The American Florist

IT HAS NO RIVAL.

#### Pittsburg.

MEMORIAL WEEK TRADE WAS A RECORD BREAKER.-GOOD PRICES PREVAILED .-CHRISTIAN BURKET'S FIELD DASSES .-ERNEST FISCHER'S WELL-DOING.

The Memorial Day and week's business was a record breaker for this section. The absence of outdoor stock, owing to backwardness of the season, acted in favor of the cut flower brauch, and many dealers sold out completely early in the day on Monday, while the plant men had on Friday and Saturday all they could attend to. Good prices were obtained. Pæonies that a week before sold at \$2 per hundred and were a drug on the market at that, brought 82 to 83 per dozen on Monday. There was an increase of from 50% to 75% in the total business over the best of several years past. Business since Me-morial Day has been good, prices returning to regular rates.

Outdoor grown field daisies at this season are a rarity, but our market has been well supplied with them for two weeks. Gustave Ludwig informs methat they are grown by Christian Burket at Glendale, Pa. The original seed was brought by him in 1880 from Wiltenburg, Germany, and they are distinctly early varieties, as hardy as the ordinary kind and very prolific in blooms. Mr. Ludwig sold a large quantity of them within a week.

Ernest Fischer, of Castle Shannon, Pa., is making quite a reputation for being carliest in the market. He had cosmos and gladiolus several weeks ago, and this week had calliopsis, Lilium auratum over ten inches in diameter, and asters, the latter in pots; he expects to have dahlias and hollyhocks ready before others do. Mr. Fischer has ten greenhouses with about 12,000 feet of glass and this mouth will erect four more much larger, which will give him at least 14,000 feet more glass. His hotbed capacity is about 5,000 feet. With this he says he will have enough to keep him busy and enable him to furnish a better variety of stock, the quality of which will be, as now, strictly first-class. REGIA.

#### Rochester, N. Y.

On Memorial Day the principal demand is for the cheaper grades of cut flowers; usually they are rather scarce here. It is seldom that many of the shrubs are fully in bloom and the large flowering percunials do not, in ordinary seasons, expand their useful blossoms until some days or weeks after May 30. This season, however, is an exception; shrubs of many kinds are ahead of their time, and in the perennials we have a far greater variety than we can ordinarily expect at the end of May, therefore the cut flower supply was for once fully up to the demand. had bright colored paranjes of the officinalis, arborea and tennifolia section, stately ans, arnorea and temmona section, stately rises in all colors, blue, white and pink Centauren montana, the soft yellow Hemerocallis flava, brilliant oriental poppies, the dazzling lychnis, aquilegias in great variety, plenty of white ibers, pyrethrums in all shades and the showy parcurrans mail shades and the showy large pancles of Thalictrum aquilegio hum besides the many species of princi-pally whate flowering shrubs. Never-before was there uch an apparently un-limited supply of show, can flowers, but, tained supply of snow, cut flowers, but, of course no very high prices were obtained. Let carriations and roses did not experience an advance in price as is usual, as such as easions. Plant sales, to a were fely up to the average, but prices are even below those of last some prices are even below those of last year. The grower is groundling and the retailer is dissatisfied still, taking into considera [1]

tion the quantities disposed of, neither of them has much reason for complaint except that they are compelled to handle or grow so many more plants to make up for the deficiency in prices.

The annual meeting of the botanical section of the Rochester Academy of Sei-

once was held. May 24 and was notable for the display of Greenland plants collected by the Peary relief expedition and presented to the Academy by Prof. W. W. Rowlee, of Cornell University. There were other valuable exhibits. Papers were read, among them being one on "Germination," by Charles Wright Dodge, and one, "Notes on Yosemite Flora," by J. B. K. A. J. Perkins.

#### Nashville, Tenn.

COMMENCEMENT TRADE MAKES FLORISTS HAPPY. -- DRY WEATHER DAMAGES STOCK. -PUTTING IN NEW ROSE PLANTS.-SHIP-14NG MAGNOLIAS.

The week has been occupied in filling school commencement orders, which have helped the florists wonderfully. Stock has not been good. The excessive hot, dry weather of the past two weeks has had its effect upon roses. Bride and Bridesmaid, especially, have felt the hot spell and are small, with seorched outside leaves. Florists are trying to shade their houses so as to prevent further damage. Perle and Meteor, especially the latter, seem to stand the heat well, and are in the market in very fair quality.

There are quantities of candidum lilies. field grown, to be seen everywhere. Sweet peas are abundant, although the dry spell has also affected them. Asterplants and other field grown stock are coming on nicely and will soon give an abundance of bloom.

Florists are busy putting in their new rose plants. Some of the growers dis-pose of their old beuch roses to other florists and nurserymen, who cut them back and pot them. They make very fine roses for the market for those customers who prefer the two years old plants.

Northern visitors like to send home magnolia blossoms, which are now in full They are very difficult to ship flower. successfully and, being cut in the bud, do not give an adequate idea of the grandeur of the bloom as it is upon the M. C. Dorris.

Kalamazoo, Mich.-Joseph Dunkley, a leading citizen died on May 27, aged 41 years. He was a florist by trade but a number of years ago instituted experiments in celery culture which have so developed the industry as to give Kalamazoo a national reputation for this vegetable. Mr. Dunkley leaves a wife ard seven children.

### CANNAS

Extrastrong plants 4 Inch p ds Per IIII

Rest French varis (Mine, Crozy, Alphonse Bonvier etc. 281.81

Conne on varietles 5 00

Lowert wholesale rates for bedding plants, all first
class its kell in great variety. Prices on application.

Take in exchange young Palms and Kicus, 25 in pots

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FLORA HILL CARNATION. It selfs because there is nothing in slight to the first order were grown. It is fragrant. It is the because the bloom. It puts all others in the shade to be unset or present to equal it. We have four used of plants exclusively four propagating from the other to bloom. Send at once and get the state were different to lower the first sever different to lower the full there the etres ever offered. 15 00 per 100, fill 00 per 1000. I de Bat is based. If you have not received ong

E. G. HILL & CO., Richmond, Ind.

Lie ise mention the American Florist

#### FINE PLANTS

### VERBENAS

IN BUD AND BLOOM.

Many Fine Varieties added to Our Collection.

Best Mammoth .....per 100, \$3 101; per 1000, \$25 60 Ceneral Collection 2 50; "20 60

#### ROSES.

American Beauty, 3-Inch pots ......per 100, \$10.00 Bridesmaid, Brides Perle, Meteor, Bon Silene, Watteville, La France, Sunset, Mermet. Price from T<sub>4</sub> Inch pots, \$5.00 per 1001; \$40.00 per 1000. Ever-blooming and Polyantha, in bud and \$20.00 per 1001 \$40.00 per 1000.

#20 00 per 100

Hybrid Perpetual, in bud, from 5 loch pots, strong \$25 00 per 1 0.

#### CHRYSANTHEMUMS.

50 floe varieties from 23-inch pots, \$3.00 and \$4.00 per 100. Send for list of varieties.

#### MISCELLANEOUS PLANTS.

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ready for immediate sales. 100. Anthemia Coronaria, from 25 Inch pot 3                                                                                                                                           |
| Alternanthera, all leading varieties. 3.60 Ageratum, the and white. 3.60 Carnations, from theb pots, fine stock. 12.60 Coleus, leading sorts, 234-inch pots. 3.60 5.60                                           |
| Ceraniums, double and single. 4-inch pots 8.00                                                                                                                                                                   |
|                                                                                                                                                                                                                  |
| " Ivy, floe variety, 4 " 8.00                                                                                                                                                                                    |
| Heliotrope, from 3-inch pots                                                                                                                                                                                     |
| Hydrangea Otaksa, 51n. bushy                                                                                                                                                                                     |
| Moonflower, 21-9-10ch pots                                                                                                                                                                                       |
| Pelargoniums, 24-inch pots. 6,00<br>Salvia Spiendens sod Bedman, 24-in. pots 3 00<br>Vinca Variegata and Elegans, 4 inch pots. 10,00<br>Violets, Marie Louise, 24-inch pots, \$25,00<br>per 1000, \$3 00 per 100 |
| Panaies in bud and bloom \$2.00 per 100; \$15.00                                                                                                                                                                 |

per 1000.
Alt the above is from stock in condition for immediate sales.

ESTABLISHED CARNATIONS FROM SOIL. 

New Trade List on application.

### WOOD BROS., Fishkill, N. Y. When writing mention American Florist.

### NEW WHITE PERPETUAL

#### **BLOOMING CARNATION**

### Anna H. Shaw

The Best "All Round" White Carnation for Cut Flowers. Recommendations: Wonderful bloomer, Unusual Vigor, Rapid Grower. Forms Strong Bloomer, Unusual Vigor, Rapid Grower. Forms Strong Bloomer, Plants in a Very Short Time. Perfectly Honithy, Handsome Foliago Large Benuttfully Formed Flowers on Long Stems. Exquisitely Fragrant, Never Burets, Blooms Longer and Gives More Flowers than Any other Variety Ever Offered H you want a RELIABLE Carnation that can always be depended upon, give Anna H. Shaw a trial. Rooted intings. Il por doz; 86 per 100 Strong Plants. If oper doz; 80 per 100 Send for Trade List and Catalogue of Seeds, Bulbs. Plants, Cneti, Etc.

Mrs. Theodosia B. Shepherd, Ventura (by-the-Sea), Cal.

### Last Call CARNATIONS

All the movelines of 1898 at \$10.00 per 100 - I lora Hill, Jubilee and Pingree, a time trim, \$5.00 per 100. All the best

GEO. HANCOCK & SON, GRAND HAVEN,



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Everybody is more pleased if you say "saw your ad, in the American Florist" i when writing.

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SPECIAL PRICES

GERANIUM "MARS" 24-in. in bloom, \$5.00
Geraniums, single scarlet, 4-inch in bloom. 5.00
Frank Hardy Chrysanthemums, 2½-in. per doz. \$1.00.
BRIDESMAID ROSES, extra clean, 2½
inch pots. 22.00
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2½-in. pots; Souv. de Sale, \$3.50 per 100; Her Majesty, Glen Valley, Lanra Wilmer, Ger-trude, \$3.00 per 100.

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From flats, by mail. 30c per 100, \$1.00 per 100. From 2-inch pots, \$2.25 per 100, \$13.00 per 1000 Geraniums from 2-inch pots, \$2.25 per 100; \$20.00 per 1000 Cash with the order. Send orsamples. Fred Boerner, CAPEMAY CITY, N.J.

#### St. Louis.

SUMMER LASSITUDE APPARENT IN THE MIS-SOURI METROPOLIS, -COMPLAINTS OF THE GROWERS OF BEDDING PLANTS .- SUMMER BLOOMS TO BE CULTIVATED.

Continued warm weather is having its effect on prices, for while they have been low they are going lower. During the greater part of the week stock was very abundant but of poor quality. Colored stock seems to have suffered most. Within the past few days several commencements, quite a few weddings and numerous shipping orders, cleared the market of good stock, especially roses. Prices with the commission men did not advance except with one or two who report one cent advance on select roses, which does not amount to anything. The best stock coming in of Kaiserin, Maid, Bride and Meteor is generally 4 cents, occasionally 5 cents; carnations, exceptionally good, are \$2 per 100. Outdoor stock is slow; some fine Jacqs are coming in and run from \$1 to \$1.50 per 100.

Trade holds up fairly well and quite a little shipping has been going on for the past two days, but the demand is looked upon as transitory and everyone seems to be expecting the early advent of the sum-

mer dullness. Bedding trade has eased up very perceptibly, and has left numerous growers with large stocks on hand. There seems to be considerable hard feeling among the trade in regard to the prices at which bedding stock has been sold this season. Those who have sold out have done so at prices so low that there was little if any profit, and those still having stock on hand claim that the same amount of stock could have been disposed of at fully 50% higher prices, which would have given a profit all around.

Several of the growers who produce both cut flowers and spring stock, have decided to give up the latter and turn the time and space formerly devoted to bed-ding plants to the growing of roses, asters, gladioli and other stock for summer flowering. They expect to get the same or better returns for less work. It seems certain that there is a good opening for this stock, as it is almost impossible at times during the summer to obtain good blooms. R. F. T.

NORTHVILLE, MICH.-J. M. Dixon is gaining a reputation for ornamental beds and has laid out a number in surrounding towns, notably at Plymouth.

### Pillar-Catter

#### STOPS CATERPHIARS

con a nown practical device type teets trees from the ray-of eaterpillar, and all other wing insects. A few cents catron is few tacks and it is self-readily at the per yard.

Send for price list testi-montals and sample ....

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Can be prevented by immersing the bulbs for ten hours in a half solution of 99 per cent. & & &

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This has been conclusively proven by experiments at Lincoln Park, Chicago. 🥒 The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable 

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It is quickly and easily applied, and I think will prove
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support. Yours truly,
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Feb. 18, 37.
Mr. Theron Parkeh,
Brooklyn, N. Y., Dear ShriIt gives me much pleasure to
congratulate you upon your
success in getting up carnation supports. I think that
those I have had from you
are about as perfect as anybody will be able to make
them. They certainly fill my
bill for an ideal carnation
support, a thing I have been
looking for for a long time,
Wishing you every success
in the sale of them, I am
yours truly, E. ASMUS.
It discount on early orders.

Write for price list and discount on early orders.

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#### Dixon. III.

During the week preceding Memorial Day Dixon florists experienced trade which has been unexampled in recent years. Bedding plants sold well despite the gold weekly provided the gold weekly and the gold weekly are the gold weekly as a sold well despite the gold weekly as a sold well despite the sold weekly as a sold well despite the sold weekly as a sold well despite the sold well as a sold well despite the sold well despit the cold weather and the Memorial Day demand cleared out everything in the line of cut flower stock. Roses sold at \$1.50 per dozen, with American Beauties at \$3. Carnations also brought good prices.

O. L. Baird is enjoying a rapidly increasing trade and is making a number of changes about his greenhouses. Murray, a brother of Samuel Murray, the well known Kansas City florist, is now in Mr. Baird's employ and is eertainly a success as he is greatly increasing the production of the establishment, both in quantity and quality, W.R. P.





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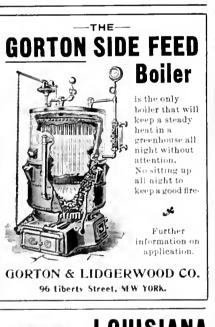
#### Worcester, Mass.

Seven days of rain ended with Sunday and the flowers rotted on the plants. Even with heat on and ventilators wide pen it was impossible to keep anything like a dry atmosphere in the houses but notwithstanding this bad weather, which, of course, had its influence on trade, we did the largest Memorial Day business on record.

The stock of flowers was larger and their quality was better than ever before but prices were about regular. Carnations retailed from 35 cents to \$1 per dozen; roses \$1 to \$3; stocks and antirrhinum 50 cents to \$2; lily of the valley 50 cents; lilies \$3; Narcissus Poeticus 50 cents; sweet peas 25 cents.

White syringa, field grown, worked in well on the coarser creations, but our great mainstay, Deutzia gracilis, was late on account of the dark week. Blooming plants in pots were not nearly as popular as the general increase in the plant trade led us to believe they would be. Hydrangeas and geraniums all sold fairly well, but there was plenty to spare, and good stock at that. Popular taste returned to the old days, and \$1 and \$2 bouquets were turned out by the thousand. Trade in general was on cheaper lines which, of course, made florists hustle A. II. L.

all the harder.





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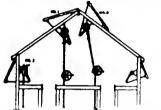


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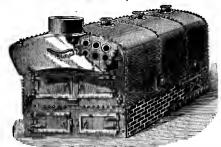
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16x22, 2,500 square feet. 10x12, 500 square feet.

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Also 100 or more 3v6 sash, glass partly broken; also several thousand Standard Pots, assorted sizes; also forty-horse power Exeter Boiler.

lean not undertake to pack and ship glass, but to parties who can come with cash in haid and take away the goods I will make very low rates: for example, lox22 single thick. A glass \$2 00 per 50 quare feet other sizes in proportion. Prices on sash, pots, etc., made on the sput to any proposing purchaser who will call and examine. Do not write.

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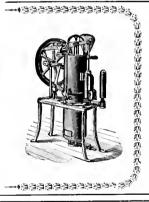
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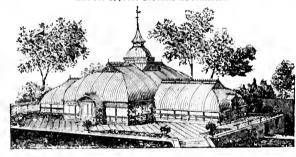
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Vol. XIII.

#### CHICAGO AND NEW YORK, JUNE 11, 1898.

No. 523.

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THE AMERICAN CARNATION SOCIETY.
Annual Convention at Philadelphia, February, 1899.
ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Omaha, Neb., August, 1898.
ELMER D. SMITH, Adriau, Mich., secretary.

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BROCKTON, MASS.—At the last meeting of the Brockton Florists' Club, which took place on the evening of May 31, a report was submitted by the committee having the matter in charge, recommending that an exhibition be arranged for next November. The plan was received with favor and a schedule will be forth-coming

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AS PHILADELPHIA MERCHANTS VIEW IT.

Numerous requests for the editor's opinion upon the advisability of "special sales" and the best method of conducting such bargain transactions prompted the solicitation of the views of the leading Philadelphia dealers, whose ideas and experiences are herewith set forth by an interviewer:

A. B. Cartledge, of Pennock Brothers, said he had recently given the matter some consideration, had discussed it with some of the older heads in the business. and had come to the conclusion that for their particular class of trade the special sale or "bargain counter" would not be a good thing-his aim being to keep their trade on the highest possible plane. While admitting that a widely advertised cheap sale would bring a great many buyers for small lots, he thought that the sale would have a tendency to prejudice the customer who purchases \$100 worth at a time. Flowers being a luxury and not a necessity, it is not so easy to get the public to buy them, even should they be offered at a very low price. They only buy them when they need them, anyway. Mr. Cartledge thinks, however, that a store in a different locality from theirs might use the bargain sale to advantage on some occasions. For instance, if he were located on Columbia avenue he would consider it good business to offer cheap sales on certain days, especially if there were a special event in the neighborhood, such as a commencement, a university foot ball game, or some other social event where flowers are used by the rank and file in the neighborhood. But for the center of the city, and for such a trade as theirs, he could not see that there was anything in the idea. The department stores and the fakirs get about all the trade that could be gotten in that direction already, and it would not pay a store like theirs to bother with it.

Robert Kift, of Joseph Kift & Son, said they had never started a bargain counter, but believed it would pay, and had often thought of having a department where specialties could be sold cheap, that fact being well advertised in the newspapers. He said that he based this idea on the fact that people go where the crowd is, and that buying is so infectious that one can afford to sell very low on a leader for the sake of drawing the crowd.

"Do you think a high-toned store like yours would lose caste with well-to-do clients by introducing department store methods?"

"I do not, that is provided that no trash is sold. You must give the public a good article to be a bargain. It's the bargain that brings the crowd, and if faith is not kept with them you will not get them again."

Mr. Kift is a firm believer that a great many more flowers could be sold if people could only see them. The problem is to bring the people, and the bargain counter ought to be a great help in pulling the crowd if properly managed.

The foregoing views being so radically different, I concluded to see what one of the prominent retailers who is not on Chestnut street thought of the matter. I therefore called on Robert Crawford, on Sonth Eleventh street, knowing that in the past two or three years he has experimented in the matter of special sales widely advertised in the daily newspapers. I found Mr. Crawford not only able but willing to talk on the subject.

"From your experience, Mr. Crawford, of the past two or three years in regard to the bargain counter do you find the same has been injurious or beneficial to your trade?"

"Very injurious. There is nothing in the idea. It did me no good in the way. of getting new customers, but has done me much injury with the customers I had before I tried the plan. I would buy up a lot of plants at a low price, just as Wanamaker does, and advertise them once or twice a week at a cut figure. I found that my regular customers very soon caught on and they would come to me on these days and buy; whereas if I had not advertised they would have come some other day and bought at the regular price. In the course of time I found that they all waited until I advertised something low. I made up my mind that if I kept it up I would have nothing else but a cut price business. My experience in cut flower sales has been very much the same. For instance, I had a contract with a grower to take all his cut of roses. In March I found trade a little slow and stock accumulating on my hands; I decided to mark my \$1 roses down to 50 cents for one day. I advertised the fact prominently in the daily newspapers and sold just two dozen at 50 cents. next day I sold ten dozen at \$1. I have had numerous other experiences in the same line in regard to special sales, and ann now thoroughly convinced that there is nothing in it. In fact, it hurts the regular business. If people want flowers they will pay for them."

"How is it that John Wanamaker can make his plant and flower department a success by following the bargain counter method?"

"I do not know. We cannot do it Wanamaker has the crowd now on lines, and has spent millions of dollars in reaching that point.

"Don't you think your special sale advertising has brought you some new your special sale customers in the past two years?

"Mighty few. Once in a while we get one, but the trouble is they are almost certain to see some of my old customers and tell about paying 50 cents for a plant for which I had charged the old customer \$1. Then the row begins. My old customers cause me no end of trouble in explaining.

"Do you think that the department stores have succeeded in popularizing plants and flowers among the outside public?"

"I think not. In fact, I think they have killed the business in some respects. For instance, you take Pandanus Veitchii. 1 used to sell hundreds of it up to the time that Wanamaker went out to Wm. K. Harris' and bought his whole stock and made a special drive of them at half price. No one seems to want Pandanus Veitchii since that time. We sell one plant now where we sold a hundred a few years ago."

Mr. Crawford is not only down on the bargain counter, but he thinks that selling to the department stores hurts the grower in the long run. He argues that men like Mr. Harris and Mr. Craig, who sell to the department stores, will eventnally find that these outlets will dry up, and then they will find that some one has killed the goose that laid the golden

egg.

I next called on Hugh Graham, 104 South Thirteenth street. Mr. Graham has always catered to a first class trade, and was one of the first to get faney prices for choice roses in Philadelphia. have often heard the prominent rosc growers in this vicinity state that they were satisfied that Mr. Graham had done more to raise the standard of quality and price than any other individual in this He set the pace many years ago, and the influence is still felt and acknowledged in the trade. Mr. Graham was at one time connected with the Wanamaker store, and is thoroughly in touch with the methods of that concern. On being asked whether he thought there was a chance to create business in the flower trade by inaugurating special sales on particular days he said:

No. sir. There is nothing in it. If I had too much of anything I would rather throw it out or send it to the hospitals than offer it at a low price. Low prices hurt the flower business more than any other agency that I can imagine. If a lady or gentleman wants \$10 worth of choice roses they do not go to Wana maker's to buy them; they go to some first class store. We would get very little of the cheap trade even if we were to advertise bargain days, and I think that after the novelty wears off even the department stores will do very little busi ness in cut flowers and choice plants Neither do I think that the fakirs hurt air trade to any degree, although it is, of course, annoying to see them push their little launches under the noses of the customers who are coming into our store.

Mr. Graham is decidedly of the opinion that the point all florists should strive for is to keep the price of flowers on a paying basis, both for the retailer and the

TO BE COSTISTED!

COLUMBUS, Office C. B. Hine, foreman, d the Ohio State University gardens, has resigned to become superintendent of the tarm at the new state hospital at Massillen.

#### Forcing Paeonies.

Herman Schiller, of Niles Center, Ill., has achieved noteworthy success in forcing herbaceous premies for Easter pot plants. His method is to lift the plants from the field about October 1, pot immediately, water thoroughly and plunge in a cold frame where they remain chilled just enough to make them dormant until time to bring them into heat. results are obtained by leaving the plants in a cool greenhouse or shed for a few days between the removal from the cold trame and the beginning of forcing. An even temperature of 58 to 60 is maintained until the blooms are out and attempts to retard growth by withdrawing heat after it has once been applied have been found to be disastrous. The pots being well filled with roots the plants are fed on liquid manure.

Mr. Schiller has tried several varieties but has found little success with other varieties than the officinalis. Of this the red is a week or ten days earlier than the pink and two weeks earlier than the white. It takes from six to eight weeks of heat to bring them into flower. After blooming in pots the plants cannot be forced the following season. Mr. Schiller forced several hundred plants the past season and they brought him an average of \$1.50 each, some fetching as high as \$3.50. The reds were all gone before Easter, but the pink and white were just right for that occasion. The pinks sold J. T. A. better than the others.

#### Dracaena Godseffiana.

As a decorative plant this novelty will be found most distinct, useful and remarkable. It has little resemblance in general to ordinary dracanas, but is nevertheless vigorous in constitution and of peculiarly graceful habit. The foliage is deep polished green, heavily spotted and splashed white, the stems slender and very wiry. Not easily affected by insects, it has the constitution of an aspidistra and grows very freely. A small plant sent by Sander & Co., to the Cleveland convention arrived in excellent condition.

А. Діммоск.

#### Carnations.

Carnations are evidently coming to the front at a great pace, if the additions to plants already in operation and the thonsand and one new ones starting up are any indication of the popularity of this flower. It might be well to stop a minute and consider where all this will lead us to, also to look at the other side of the question. There are several very necessary adjuncts to successful carnation culture if success is to be measured by the profits derived from the business.

The first and most important of these is to be sure of your market. If you are going to wholesale your cut, it is imperative that you get near enough to your market so that you can look after the selling end as well as the growing end of the business; you also want to be elose enough so that you can fill an order on short notice when they are wanted for some special occasion. If you are so situated, and grow absolutely first-class stock, you can regulate your price so that there will be some profit for you. If you are a retailer with a good grower in the greenhouses you have an advantage over all others as you then can soon learn to grow what will pay you the best and be reasonably sure of your carnations returning a fair profit.

To attempt to start a place any distance from your market and depend upon sending your cut in to a commission house and take pot luck with every other grower is very poor business, unless you have some other business connected with it and are satisfied with very small profit. The grower who starts up under the last named conditions should have his place so arranged that he need not have a night man and not any larger than he can manage himself with the assistance of some member of his family or possibly a boy at a few dollars a week. Two or three thousand feet of glass should be the limit of size in such a place if there is to be fair wages made out of it by the owner.

The man who puts up from five to ten thousand teet of glass any distance from his market and has to employ a night man and four or five others at decent wages will come out at the little end of



DRACAENA GODSEFFIANA



VIEW IN THE NEW STORE OF SMITH & FETERS, CLEVELAND, O.

the horn ninety times out of the hundred, no matter what any one says to the contrary. Where you pay for your help and have a reasonably well built place it is going to cost you \$1.50 per 100 and possibly more for every hundred carnations you cut from the beginning to the end of the season (that is if you are growing good varieties and first-class stock), and you will find that many times during the season your returns will not reach \$1.50 per 100. If you can get good, round figures for your ent when there is demand for it, you will be all right, but ninety out of the hundred never get over three dollars, except possibly at Christmas.

If you do not grow first-class carnations, the original cost will not be so much, but the returns will be correspondingly small, and the grower who attempts to make a living out of second class stock next winter is going to have mighty poor fare and he will more than likely be in debt by June 1, 1899, with no money to pay his indebtedness. This may seem a pessimistic view of the situation, but careful observation among carnation

growers will substantiate every word of it. The retail grower can by good management make a market for his flowers, but the wholesale grower is at the mercy of the market unless he has exceptionally fine stock and is thus in a position to make his own prices. Carnation growing has made some remarkable strides in the past few years and good stock is becoming more plentiful every year, so that unless you are sure of your market and have a little capital to help you over a bad season it is not wise for a beginner to invest his money in a earnation plant.

ALBERT M. HERR.

#### Soil for Rose Growing.

The inquiry from your correspondent on this subject touches upon this matter from several standpoints which are of vital importance to all of us who have to depend upon the produce of our greenhouses for a living. The inquirer says there is a well-grounded belief among rose growers in general that they must have what is termed maiden loam for their rose growing operations, it being understood that loam which has never before been used for rose growing purposes is indispensable, especially in rose growing under glass for cut flowers, and concludes by asking whether rose growers are justified in that belief.

Now, although there is no suggestion made that I am personally responsible for a considerable share of the general belief on this point, yet from several other sources I have been told that my writings upon this particular point in the past are somewhat misleading, and possibly this same correspondent may entertain somewhat the same views. To answer this intelligently requires a somewhat lengthy article, but as it is a very important subject. I must ask your readers' indulgence. To start intelligently let me ask all who doubt the advisability of such soil for this particular purpose, why do farmers continually change their crops—and they have been doing so for centuries, at least such is a fact if we can believe our own eyes and some of what we read—or coming nearer to the point at issue, why

do we find that crops of almost every-thing we grow in the garden do much better if changed from one part to another

every year?

Many will probably answer this by saying those are old-fashioned notions. Well, possibly they are, yet in my short experience (for forty years in horticulture is but a short apprenticeship, after all) I have repeatedly found that the same kind of a crop planted in the same place two seasons in succession has invariably given much poorer returns the second season than the first, and farmers generally with whom I have discussed this subject from various standpoints, all admit the same to be true. Chemistry can help to modify this materially by the addition of chemical tertilizers to restore to the soil the elements necessary for the full development of such crops, and possibly the same law may apply to the cultivation of roses under glass, but for one I candidly confess that I do not know enough about fertilizers to trust to their efficiency to grow roses, for although 1 have been experimenting more or less with these for the whole portion of my life which 1 have devoted to horticulture, yet as above stated, I know so little about them except their ability to do injury to crops, through my inability to tell what they contained that was injurious. A good deal of the trouble on this line may have been caused by trusting to inexperienced help to apply it, for it must be left to others for application. At any rate I have never been able to do all the work on my place with my own hands.

But coming down to hard facts regarding growing, I have repeatedly tried, for experience sake, to grow roses in soil which has been used for the same purpose in former years, adding what I considered safe e'ements to restore its vitality as far as possible. In some cases the soil was allowed to lay three years, growing other kinds of crops before using again. In other cases it was allowed to rest only one year before being replanted with roses; but in every case, whether the soil had been all the original rose soil, one-half, one-third or even one-quarter mixed with entirely new soil, the results have always been a proportionately reduced yield for the season whereverit was used. In these experiments I have always been very careful to use it in the same house and in the same position as nearly as possible to compare with maiden loam, and in making up the various grades of compost have always tried to add an equal amount of manure and other tertilizers to each lot, the object being to make the cost of each as nearly equal as possible, a careful record of the product of each being kept for the whole season after, with the result always a deficit against the old rose soil somewhat in proportion to the amount

What led me first to make these expert ments was the inconvenience in getting new soil every year, but finally we were compelled to admit that to persist in the use of old rose soil was too expensive, no matter how inconvenient it might be to obtain new, fresh soil. These experiments sere carried on principally with rather a light grade of soil, though we have tried the same experiments in that of a clay texture with the same results. back much farther and outside of green house culture, I have a very clear recollection of the result in a rose garden proper, during my apprenticeship days. An edict came forth that a large addition must be made to the rose garden. For the new part added, new soil, or what is generally termed maiden loam from an

old pasture was carted in to the depth of about twelve inches, but for the old part only a portion of new soil (three to four inches) was added after all the old rose plants had been carefully lifted and planted elsewhere, but a very liberal dressing of manure, some soot, fine ground bone, etc., was given to the old and new in equal proportions. An entirely new lot of roses were bought for the whole and planted with equal care. At that time I was not at all posted in the requirements for any special erop or plant, but as I had to keep this particular garden weeded, eleaned, etc., for the next three years I had good opportunities to watch it in every way, and for some time it was a great puzzle to me to know why those plants in the old part of the garden did not produce as fine blooms or the plants make as clean vigorous growth as those in the new soil; finally I appealed to the head gardener for the reason, and got in return a very eareful synopsis of the why and wherefore, to the effect that crops do not succeed on the same soil successively; and from that day to the present time I have noted these results with more than ordinary interest. There may be plenty of exceptions in various classes of soils to the above results, so far as rose growing is concerned, but they have never come under my own direct observation.

To restore old rose soil to a condition suitable for roses successfully, I think there is nothing better than sowing it down with grass seed, principally Kentucky blue and Rhode Island bent, and then let cows, sheep, etc, graze it contin-ually. The root fibre of these grasses is ually. The root fibre of these grasses is very beneficial I find in rose growing, and old rose soil so treated can be used again safely in five or six years if required, but even then I have found that old pasture sod in which roses have not previously been grown is preferable to our system of cultivation.

If the experience of other growers differs from mine, I would be very pleased to see the same recorded in your paper, and, I know a great many readers of the FLo-TIST would like to know how to utilize their old rose soil to the best advantage, as it is a very expensive item in many cases to procure new soil every year, particularly where it has to be earted from some distant point.

It is true that really good roses can be grown in a great variety of soils, from very light sandy loam to almost a clay, the principal thing required being a careful study of the treatment needed for the different grades, but in each and all of them as far as I have experimented, a new soil for each planting is most desirable and will give much the best results.

JOHN N. MAY. Summit, N. J.

#### ANOTHER OPINION.

I would say that maiden loam is not essential in growing roses under glass, although most rose growers are of the opinion that it is. I have, this year, used loam that had been employed for tose growing some four or five years ago; then put out and sowed in with grass, and last year again out in the benches for toses, and my results this year have been as good as ever. I had both quantity and quality, thus proving to my entire satisfaction that maiden loam is not Ernst J. Asmus. essential.

West Hoboken, N.J.

MESDOTA, ILLS. Benjamin Moss, for years in the trade, died on June 5.

#### Fungus Diseases of Hollyhocks.

ln 1896 a row of hollyhocks was set in the plant hospital for a study of the diseases that of late years have attacked this plant. During 1897 the plants were sprayed with various compounds, Bordeaux being among the number. The leaf spot caused by the fungus Cercospora altheina Sacc. was the first to appear and it increased upon the untreated plants until the close of the season. Upon the sprayed plants it did only a small amount of damage. The leaf spot is quickly recognized by the angular spots, which at first are small and brown, but increase in size and become ashy white in the center with a dark border. the center with a dark border. The center of the spot sometimes falls away leaving the leaf full of irregular "shot holes," and the foliage thus badly affected drops, leaving the hollyhock stems bare for the lower portion.

There is another fungus disease of the hollyhock that is quite common in some



HOLLYHOCK RUST

This is called a leaf blight and grounds. is due to Phyllosticta althacina Sace. It differs greatly in its destructive work in the hollyhock from the cercospora above mentioned. Instead of the numerous angular specks and spots the fungus attacks and destroys the whole of the tissue of the area infested and may involve a spot as large as a half dollar and the blighted portion becomes dry and breaks away leaving large holes with a ragged outline. This leaf blight of the hollyhock is cheeked by spraying with the Bordeaux mixture.

There is a disease of the hollyhock that has proved quite destructive to seedlings in the greenhouse. This appeared in several propagating establishments about ten years ago, and was so serious that some firms gave up this crop and only within the last year or two are they taking up hollyhocks again. A grower only a short time ago told me that the only successful way for him was to move away from the trouble, that is, he grew his hollyhocks several miles from the old houses and only brought them home to fill orders. This is a valuable, practical hint to all who are seriously menaced by destructive fungi.

The fungus in question is an anthrac-nose due to the fungus Colletotrichum althene South. It attacks the leaves,

either the blade or veins, and frequently the leaf stalk is destroyed by it. The stems do not escape and are badly blotched by the fungus. A blackened and shriveled appearance of the hollyhock plant is a suggestion that this fungus is at work. This fungus has never yielded successfully to spraying so far as the writer has observed.

The last fungus disease of the hollyhock to be considered, and the one most to be dreaded, is a genuine rust, due to the fungus Puccinia malvacearum Mont. It is gas racema marvacearum Mont. It is easily recognized by the orange blotches upon the leaves and the globular masses of spores of a brown color usually upon the under side of the leaf, but may also appear upon the stem, petiole or even the parts of the flower. From observations made upon it within the past few weeks the rust evidently remains over the winter in the tuft of leaves formed in autumn that cluster close to the ground. The spores produced by these quickly germinate and spread the disease.

As a precaution all the autumn leaves, when rust is found, should be gathered and burned. Spraying with Bordeaux will help to keep the rust in check as experiments at the plant hospital show. The accompanying engraving shows a view of a portion of a rusted hollyhock leaf with all the parts several times magnified. The rust spots are circular.

BYRON D. HALSTED.

#### Anemones.

F. Supoit of this city (Philadelphia) has been sending in quite a lot of anemone flowers for a month past. They combine all the colors of the rainbow from white to a dark maroon, various shades of vellow, light violet to a dark blue and some with pretty green tints. They are both self colored and variegated. The blossoms are from two and one-half to three and one-half inches in diameter, with stems from eight to twelve inches in length. Mr. Supoit plants the roots or tubers between his violet rows in the fall and as the violets go out of flower in the spring, from the first to the middle of April, the anemones make their appearance and commence to bloom, continuing until the first of June. They make a very welcome addition to the cut flower list at this time of year and when better known will, we think, be largely grown, particularly by florists who both grow and retail their stock.

ROBERT KIFT.

#### Chrysanthemum Notes.

Specimen plants at this time will be making the foundation for future results and must not, therefore, receive a check from any source. Watch them closely that they do not dry out too much, as this will cause the wood to get hard and prevent them from breaking freely. But they should not be overwatered or a bad ease of yellows will be the result. Keep the growth topped back as evenly as possible to insure a well shaped plant and remove all suckers as soon as they appear If the pots are well filled with roots, give the plants another shift, using a rather coarse soil with plenty of drainage, and pot them firm.

This is the time to get stock propagated for single-stem pot plants, and for market specimens to be sold in 5 or 6-inch pots. Care should be taken that the cuttings wilt as little as possible after they are put into the sand; they need copious waterings, frequent syringings and should be shaded from direct sunlight. With this treatment they will root readily in a short time, when they should be potted

up and not allowed to stay in the sand and become hard. Among the most suitable varieties for single-stem pot plants are Major Bonnaffon, Mrs. H. Robinson, lvory, Jennie Falconer, Mrs. Perrin, W. H. Lincoln, Mutual Friend, Mayflower, and Jayne. It is best to take all varieties with full solid centers for such purposes, it being a difficult matter to get the substance into varieties like Maud Dean and Mrs. Jerome Jones; when grown from Junestruck stock it is necessary to cover their centers. Viviand Morel is another good one for single-stem plants, if they can be used when just right; but if it is necessary to keep them a little while they soon lose their fine form and become flabby. In

#### New York.

THE BUSINESS SITUATION,-LADIES' NIGHT AT THE FLORISTS' CLUB NEXT MONDAY. WEDDING OF W. R. SIEBRECHT.—LOCAL

Business shows a little improvement since June 1, and is probably due as much to the reduced cut of flowers as to any other cause. Roses show the greatest falling off, both in quality and quantity, but there are still enough of them to supply all the stores and all the Greeks.

Paronies are now in their height and sell well for garden flowers. The retailers would be glad to have them all the year round, at summer prices. Lilies are sell-



ANEMONES.

selecting varieties for market plants pick selecting varieties for market plants pick out those of short stocky growth, of which the following varieties are examples: Mine. Bergmann, Midge and Ivory, white; Vellow Queen, Il. L. Sunderbruch, Henry Hurrell and W. H. Lincoln, yellow; Geo. W. Childs and Defender, red; Mrs. Perrin and Louis Boehmer, pink.

C. W. Johnson, ing well and there is a noticeable improvement in the demand for lily of the valley. The first outdoor roses are making their appearance, and the indoor crop may discern trouble ahead for the next two

weeks without putting on spectacles.

On Monday evening, June 13, will occur
the first ladies' night in the history of the
New York Florists' Club. In fact, the

last time the fair sex participated in any of the club's functions was the trip to Iona Island during the S. A. F. convention here just ten years ago. A most enjoyable evening for all is assured.

Wm. R. Siebrecht, youngest son of H. A. Siebrecht, was married to Miss Alice May Lent at New Rochelle on Tuesday

evening, June 7.
Clucas & Boddington have taken the American agency for C. Vanderweyden &

Sons, of Noordwijk, Holland.

Some splendid plants of the useful Cattleyas Percivalliana and Trianæ will be offered at Fritz Dressel's auction sale.

#### Boston.

THE RHODODENDRON SHOW. - A FINE DIS-PLAY, -ELEGANT ORCHIDS AND MANY NOVELTIES. - DULL BUSINESS IN CUT FLOWER STORES. TENDENCIES OF THE MARKET.-M. H. NORTON SICK.-JACKSON DAWSON'S MINATURE PEACHES, -A FAIL-URE.-POND LILIES IN.-VISIT TO MR. NEVINS,-P.HONY SHOW POSTPONED THAT JUNE 18.

The annual rhododendron show, which was held on June 7 and 8, was a very creditable affair and crowds of people enjoyed the great masses of brilliant color that completely filled lower Horticultural Hall and half filled the upper one. The Hunnewell premiums for rhododendrons were not all competed for. In the hardy section James Comley won first prize for twelve and Kenneth Finlayson for six. but in the tender section Kenneth Finlayson won the only award, that for single truss, the variety shown being Sigismund Rucker. There was no lack of exhibitors, however, although they did not compete. The display from Mr. Hunnewell's own place was as usual superb, filling, together with his hardy azaleas, a wide table the entire length of the hall. Mr. Comley also filled a table of equal comey also med a table of equal size with rhododendrons, azaleas and branches of flowering and ornamental foliaged shrubs. W. N. Craig, Mrs. A. W. Blake, Wm. Thatcher and others also contributed rhododendrons in considerable quantity. James Comley, T. C. Thur-low and Wm. Thatcher all showed hardy azaleas extensively, many of Mr. Thurlow's being seedlings fully equal to the finest named varieties. Mr. Thurlow also showed paronies of the officinalis and tree varieties and ornamental foliaged and flowering trees and shrubs.

The best display of hardy ornamental trees and shrubs came from Wm. Martin, gardener to N. T. Kidder. Nothing in the collection attracted more attention than the Showy Viburnum tomentosum. F. S. Davis, James Wheeler and Carl Blomberg all showed fine collections of aquilegias the premiums going in the order named. Lyrethrums, oriental poppies and carna tions from W. N. Craig, beautiful novel ties in hardy perennials from Rea Bros., water files from H. A. Dreer, gloxinias from James Wheeler, German irises from Wm That her and promiscuous flowers from Mrs. E. M. Gill, all came in for their share of admiration. There were six large exhibitors of wild flowers and this department seemed to be the especial tavorite with the lady visitors who crowded around the exhibits reading the names and discussing the habitat and

-Instory of each little variety.
The table of orchids from Win. Thatcher. gardener to John L. Gardner, was beautifully arranged and seemed like a remins cence of the glorious old days when David Allan, M.m. Robinson and C. M. Atkinson strove for supremacy - It contained car-tleyas, dendrobaums, odontoglossums.

miltonias, eypripediums and oneidiums in abundance and was edged with small ferns and grasses. A plant of Ærides Fieldiana from this exhibitor was much admired. Kenneth Finlayson staged three large pans of Cypripedium Lawrenceanum and Wm. Donald, gardener to J. S. Bailey, a well bloomed plant of Cattleya Gaskelliana, Lælia-Cattleya Chas. G. Roebling; a cross between Cattleya Gaskelliana and Lælia purpurata alba, was shown by II. T. Clinkaberry, gardener to C. G. Roebling. From W. A. Manda came an interesting group of fine novelties including Lælia elegans, Vanda tricolor, an enormous spike, and a hybrid Wichuraiana rose with large pale creamy flower and remarkable glossy foliage that has proved to be evergreen, the past winter. A seed-ling fuchsia of elegant drooping habit, from Walter Hunnewell received honorable mention.

The cut flower trade is not what it should be for June. Most of the large establishments admit that the season's business fell short of the record and although Memorial Day helped the average, the dullness of June will offset this advantage and the year's trade will compare unfavorably with that of recent years. Roses are somewhat scarce and of those that come in many are small or mildewed, so the quotations on all varieties of roses show an advance over last Carnations have gone the other week. way, they are over abundant and are sold out with difficulty, many lots of average quality realizing per 1000 the same figure they brought per 100 on Memorial Day. Lilies have also lost their grip on the market and are selling low. Lily of the valley is of extra quality with prices tending upwards, thanks to the prices tending upwards, sinfluence of the June weddings. Sweet peas are abundant and cheap. There are bushels of spiratas and similar coarse material on the market and their end is, oftener than otherwise, the dump cart. Cornflowers are now coming in; the blue ones bring \$1 per 100, other colors half that price.

"Down town" is in sack cloth and ashes on account of the absence of M. II. Norton who has been quite sick for the past week at his home in Dorchester. Mr. Norton's daily trip "down town" was as regular as the sun's rising and equally welcome, and he is greatly missed. On Sunday and Monday his illness took a dangerous turn but later reports are reassuring and there is joy "down town" in consequence.

Jackson Dawson is a veritable wizard when it comes to propagating and grafting, as all know. The latest proofs of his ing, as all know. The latest proofs of his skill are some little peach trees, filteen inches high, in 5 inch pots, which were grafted only last January and are now bearing ripe fruit. A 15-inch plant with five rosy-cheeked peaches on it is a tempting sight although the fruit is ornamental instead of catable. Otaheite oranges are thrown completely into the shade.

George A. Black, of Brighton, has failed.

Twenty per cent is being offered his creditors to compromise their claims.

The first pink pond lilies of the season have been coming in during the past week and are seen at all the wholesale establishments.

The Garden Committee of the Massachusetts Horticultural Society visited the estate of David Nevins, at South Framingham, last Wednesday and had a most emovable time.

The parony show announced for June 11 has been postponed until Saturday, June 18, on account of the lateness of the

Nivea carnation has made a great record for itself at Welch's this season.

Visiting Boston: D. McRorie representing W. A. Manda, South Orange, N. J.

#### Chicago.

FLORISTS' CLUB WILL SUBSTITUTE PICNICS AND EXCURSIONS FOR ITS USUAL MEET-INGS DURING THE SUMMER.-TRADE CON-DITIONS.-NOTES AND COMMENTS.

At the meeting of the Florists' Club Friday evening, June 3, it was decided to discontinue the regular meetings of the club during the summer and have instead a series of excursions among the growers, as was done last season. A number of places were suggested as likely to be interesting, among them Henry Hilmer's and lleim Bros.', at Blue Island; Weiter Bros.' and Reinberg's, Chicago; Poehlman Bros.', Morton Grove, and Geo. Souster's, at Elgin, Ills. The proposed trip to Milwaukee was discussed and the impression seemed to prevail that the excursion would draw out a large number of florists and their friends. The matter was left in the hands of the entertainment committee.

After the meeting the bowlers repaired to the alley, where Geo. Stollery, who is somewhat of a dark horse among the bowlers, surprised the boys by running up a score of 183 in the first game. Ed. Winterson had the highest average, 164.

There has been a slight improvement in trade this week. Good roses and carnations are not quite so plentiful, American Beauty and Kaiserin being about the only good roses on the market. Beauties are in good demand, both for shipping and local retail trade.

The spring plant trade is about over, and many of the growers are sold out. They report that trade has been fully up to last season. There were not enough searlet geraniums grown to supply the demand and many growers were sold out before the season was half over.

Bassett & Washburn have built a cold storage room in their store and will take their stock to this room direct from the greenhouses. They will do all the sorting and packing in it during the hot weather.

Herman Schiller has purchased from Mrs. Kuske her half interest in the Schiller & Kuske greenhouses and grounds at Niles Center, Ills. Mr. Schiller will put the place in first-class order for the purpose of growing stock for his two retail places in the city. These houses were the first built about Chicago for the especial purpose of furnishing cut roses for the Chicago market.

The firm of Felke & Miller dissolved on June 1 by mutual consent, N. P. Miller retiring. J. Felke will continue the establishment at Wilmette, and also the retail store, assuming full control. N.P. Miller will go into growing carnations and chrysanthennims and bedding stock for the wholesale market.

N. G. Axtell, of the Sweet Pea Farm at Evanston, Ills., to-day opened a city salesroom with Vaughan, McKellar & Winterson, at 47-49 Wabash ayenue. Visited Chicago: Z. K. Jewett, Sparta,

Wis, enroute to the Omaha convention.

BULLALO, N. Y.—Nieces and nephews of Charles F. Cutter, seedsman, are en-deavoring to break the will by which Cutter left an estate of \$15,000 to friends in East Aurora. The relatives allege that Cutter was mentally incompetent to make a will.

#### The American Florist

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agete; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in weres pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE plant of M. W. is a species of thralictrum. The complete name cannot be given without the flower.

JAMES J. LAWLER, of New York, who is well known through his series of articles on steam and hot water heating which is proving of great value to readers of the American Florist, has been in attendance this week at the national convention of Master Steam Fitters at Milwaukee.

#### The Japanese Name for the Crimson Rambler.

The Journal des Roses states that among some plates of Japanese roses (principally wild ones) published in that paper, in 1886, is a plate corresponding exactly to Crimson Rambler. The discription is exact as well as the plate and it is no doubt the same rose. The Japanese name is given as Sakoura-Ibara, literally cherry rose.

#### Hail Insurance.

"Some people decry haif insurance," write Robt. S. Brown & Son, of Kansas City, "on the ground that they have never met with loss. In the thirty-one vears we have been in business we never suffered from a storm but that did not prevent our joining the Florists' Ilail Association and we have been thankful for it since May 14, for in twenty minutes that afternoon we lost 28,000 feet of glass. We received our check promptly and as soon as we can get the glass replaced we shall re-insure as we regardit as a safe investment."

#### Canna Nomenclature.

Ed. Am. Florist:-In your issue of June 4 appears a notice to the effect that a canna has been registered by the Conard & Jones Co. under the name of Admiral Dewey. Inasmuch as we notified the public under date of May 21 in the AMERIcan Florist and other journals that the name Admiral Dewey had been adopted by us for one of our new cannas, we beg to ask if we are not entitled to priority, being the first to advertise the lact? mailed our notice to you May 14.

A. Blanc & Co.

[Evidently this a case for the S. A. F. canna committee, and if their jurisdiction has not up to the present included the nomenclature of cannas, it should do so.—En.]

### Society of American Florists.

PURCHASING DEPARTMENT.

Those who have not yet replied to the circular of the committee of the department of purchase are earnestly requested to do so immediately, so that the com-mittee can collate the quantity of sup-

plies, such as coal, glass, steam and water pipes, hose, etc., required for the year ending April 1, 1899, and thus be enabled to early obtain bids for the same.

ed to early obtained to early WM. K. HARRIS, W. W. Coles,

Address all communications to W. J. Stewart, Secretary, 67 Bromfield street, Boston, Mass.

#### Cut Flower Price Lists Received.

City Hall Cut Flower Market, Poston; Ilolton & Hunkel, Milwaukee; Wm. F. Kasting, Buffalo; Louisville Florists' Supply & Exchange, Louisville.

#### Catalogues Received.

Gorton & Lidgerwood Co., New York, . Y., boilers; The Richmond Stove Co., Norwich, Conn., heaters; F.O. Pierce Co., New York, N. V., mastica; J. H. H. Boyd, Gage, Tenn., tree seed; Frank Brunton & Co., Boston, Mass., plants.

#### Greenhouse Building.

Morristown, N. J.—J. T. Pyle, rose house 20x50, palm house 20x50. Chicago, Ills.—George Wittbold, conscriptory 35x100.

Milwankee, Wis.—Conservatory at Mitchell park, to cost \$30,000.

South Pasadena, Cal.—Raymond Hotel, rose between \$1,100. and large propagating.

rose house 24x100, and large propagating house.

Knightstown, Ind.—Beeman & Kowzelman, three commercial houses 20x100.

Madison, N. J.-John J. Folcy, four greenhouses.

Warren, R. I.—Geo. W. Arnold, one forcing house.

Avondale, Pa.—E. J. Cloud, one carnation house, 22x80.

Bayside, N. Y.—William Bell, two car-

nation houses.

Newton, Mass.-11. W. Kimball, one greenhouse 20x60.

#### Floriculture in British Columbia.

ED. AM. FLORIST:-Some reader of the AMERICAN FLORIST Would greatly oblige by stating whether gardening or floriculture is carried on to any extent in British Columbia, what part would he recommend as the best and the wages usually

There is no extensive floriculture in British Columbia. Victoria, with 12,000 white population, has ten florists inadequately supported. Vancouver, the next largest city, is not quite so badly overdone. Nanaimo and New Westminster have never been able to support one florist properly. The summer season is fairly good for fruit and flowers but producing crops is expensive business as water costs 20 cents per 1000 gallons. Chinamen grow and sell vegetables all over the province and are also employed to do most of the private gardening. The few white gardeners get about the same wages paid in Ontario. J. Mc. T.

#### Chemical Analysis of Plants as an Indication of Fertilizers Required.

One would naturally suppose that a careful chemical analysis of the plant, roots, stems, leaves and flowers—would be an excellent indication of the relative proportions of lime, phosphorus, potash and nitrogen to be applied as manure. It has been an accepted fact however, among scientists, that such is not the case. Some experiments at Wye, Engcase. Some experiments at Wve, England, noted in the Gardeners' Chronicle show the fallacy of this idea very clearly.

Dandelion plants were carefully selected

from different soils, washed, dried and analyzed, for lime and phosphoric acid. Lime was found to vary from 12.8 per cent. to 48.8 per cent. of the total ash of the different plants and phosphoric acid varied from 2.5 per cent. to 10 per cent. of the ash.

The conclusion reached is that the analysis if anything, shows more as to the needs of the soil than the requirements of the plants; that is to say, the plant will take an excess of the element in the soil which exists in greatest quantity and most available conditions, and a much less amount of that element which is deficient in quantity or not so available

Analyses of the soil have also been shown to have little value in determining what manures to apply and the grower must depend on experiment with each soil to give him the required informa-

#### A Fourth Report on Chrysanthemums.

This is bulletin No. 147 of the Cornell Experiment Station, by Wilhelm Miller. It is divided into several heads, viz., "The Economic Status of the Chrysanthemum," "Suggestions on Growing Chrysanthemums at Home," "Control-ling the Color of Chrysanthemums," "Crown and Terminal Buds" and "The Cornell Varieties of 1897.'

Under the first head the statement is made that the chrysanthemum industry in New York State probably involves more capital than the growing of peaches. As exact facts are not to be had in this matter, we will not be permitted to question the accuracy of this statement, but can not be prevented from having our

own opinion.

The second section is a very readable talk with the amateur. One can not help talk with the amateur. One can not help feeling, however, that the illustration of "An amateur's ideal" is a mistake and wishing that a nice compact plant of Ivory, Midget or some one of the many dwarf growing varieties had been shown in its place. The natural tendency of amateur methods of cultivating chrysanthemums is towards long-legged, weaknecked growth, and the dwarfest and stockiest varieties are to be recommended. A six-inch pot plant with five visible stakes is hardly to be recommended as an ideal.

Two experiments looking to the controlling of the pink color in chrysanthemuns are described. One trial was by shading the glass and comparing results with unshaded glass. This was found to be decidedly injurious, as might be expected, with a number of varieties, the color being very uneven and poor Another attempt was by feeding the plants in one plat with an excess of nitrogen over the other. No definite results were obtained from this experiment.

Eleven pages are taken up with a diseussion of crown and terminal buds which is practically a reprint of a recent article by the same author and covers ground many times carefully discussed both here

and abroad.

In the variety test 166 varieties were grown in one house six flowers to the plant. This will explain why the test is of no value commercially and why the conclusions reached in a number of cases are entirely at variance with accepted commercial facts. commercial facts.

#### Philadelphia.

PLENTY OF STOCK AND TRADE FAIRLY ACTIVE. THE P.EONY EXHIBITION WAS A SUCCESS.-FINE EXHIBITS AND AN INTER-ESTING DISCUSSION .- EULOGIES OF THOS. CARTLEDGE .- PLANS FOR THE TRIP TO

Business for the past week has been fairly active, a good sized crop of spring weddings together with school commencements keeping the florists busy. There has been an abundance of stock of all kinds, although the quality leaves much to be desired. Prices are about the same as last week, but the stock is not counted quite as close. Carnations are showing the effects of the heat and continuous torcing. Cornflower is in demand to help out with its patriotic azure. Pæonies have almost swamped us the past week. The warm weather seems to have brought them in all at once, and they have not been a very remunerative crop to the grower. Quite an improvement is noticed in the assortment of varieties coming in, and there will, no doubt, be a good market for selected flowers at fair prices in the future.

The parony exhibition at the Florists' Club was quite an interesting display. Messrs. Lonsdale, Heacock and the H. A. Dreer Co staged some nice flowers. new single varieties from Japan in the Dreer collection, their own importation. were very fine. There is but one row of cup-shaped petals, but a great bunch of vellow stamens fills up the center of the flower, and in the pink varieties gives the appearance of a great water lily. They come in various shades and are very beautiful as a cut flower or for lawn decoration. The single kinds will meet with much favor when better known. Edwin Lonsdale's collection also had some pretty new ones, a very few double and others quite distinctive in color.

Mr. Heacock, who read a short paper, does not think they are bread winners as cut flowers, but thinks there is a market for limited quantities of good blooms. Robt. Craig expressed himself as confident that there is a future for the paeony if it is not overdone. Mr. Westcott said that the florists are always getting in their own way by overproduction; that they have spoiled the chrysanthemum and hurt the rose and the carnation by this

After the paeony discussion a culogy on Thomas Cartledge, prepared by Pres. W. K. Harris, was read by Robert Kift. It was directed that the paper be spread upon the minutes. Rob't Craig, Mr. Westcott, Mr. Farson and Mr. Lonsdale also spoke, the latter saying that he received more inspiration in a business way from Mr. Cartledge than from any other one person in the business. It was ordered that a crayon portrait of Mr. Cartledge be hung in the club room.

several active and associate members were elected and the "Convention at Omalia was selected as the subject for the next meeting. The matter of cost of the convention journey was touched upon The railroad fare will be either \$31 or \$10, depending on whether half fare is secured or full face going and one third returning Sleeping car rates one way will be \$7. The journey will require 26 hours, which, with meals, will make the full transportation charges in the neighborhood of 860. Should the half fare rate be secured this will be reduced to \$50.

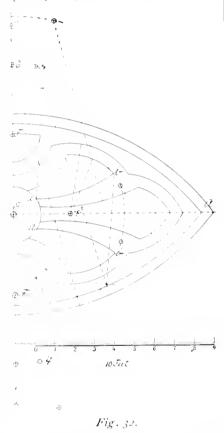
There is to be a grand patriotic parade in this city on the Fourth of July. The florists are requested to have floats arranged to carry out some patriotic

idea, and they will receive \$50 each to help them. Probably twenty-five floats, representing as many firms, will be in

#### Ornamental Bedding.

PART VIII.

While I have now given directions as concise as possible for the laying out of different forms of beds, I have explain how to "read" a plan or diagram of such a bed. There is, then, three different cases to consider; either the design is drawn according to a scale or the dimensions necessary for the outline of the bed are given. Then we have designs where neither scale nor dimensions are given, especially designs from books. Where a



design is drawn to a certain scale, say one-fourth of an inch to a foot it means that each one-fourth inch on paper represents one loot on the ground; consequently one inch is equal to four feet, one eighth inch to six inches, etc. This scale is also called one fortyeighth, as this is the proportion in which it is drawn. A carpenter's rule can be used for reading the different measures, but a draughtsman's scale is handier.

When the principal dimensions only are given we have to make a scale for our-Selves. It, for instance, in a circle with a radius of six feet we draw a straight line on which we mark the length of the radius and divide this in six equal parts, each of these representing one foot, the end one of these we can divide in two, three, four, six or twelve parts each representing respectively six, four, three, two or one inches. Fig. 32 shows such a scale ten feet long, the loot to the left being divided into six parts, each equal to two inches.

When we have a design not drawn to any certain scale and with no dimensions given, we have to study its nature according to the rules given for the planting. Considering that a single row of altera onthera cannot occupy less space than

three inches in width without being trimmed hard, and a single row of coleus not less than six inches we have some hints to guide us; these, together with the general nature of the design will give us an idea of the smallest size in which it can be planted, and it will then allow of some variation. When this is decided on we have only to make a suitable scale as above mentioned.

The main thing in reading a design is to find the centers. When it is an original drawing we can generally see where the dividers have perforated the paper by holding it to the light and we can soon select the necessary ones, if a blue print or any other reproduction, we have to find them by construction.

Fig. 32 represents one-half of Fig. 24 drawn to a larger scale. We find that it consists of four symmetrical parts, two of which are shown here, by drawing line a-b from end to end and constructing line c-d we have it quartered. In this line, c-d, we have the centers for the outline of the bed and the inside line of the border. By setting one point of the dividers on the line, about where we judge the center to be, adjusting the other point to a and describing the curve from there, we can see how near it is true. If this curve is flatter than the original, our radius is too long and we must move the point on the line closer towards the curve; if it is rounder than the original, the radius is too short, and we move the dividers fur-When we find the center, e, we mark it with a little circle, as shown on the illustration. The corresponding center is on the other side at the same distance from b. B itself is the center for the circle in the middle. The centers f are also found in line c-d, while centers g are in line a-b, one to each side of b. The centers h for curves a-b are found by constructing for one of the curves the perpendicular on the middle, with which construction we are now familiar, and then proceeding as directed for finding center When found set one point of the dividers in b, adjust the other one to h, draw a curve across line c-d above and below, mark the distance from h to line c-d (in this case h-e) on each side above and below, and that gives you these four corresponding centers. Find the other centers in the same manner, and after this you only have to read them on the scale.

Fig. 33 shows a different way. When there are many centers to find it takes time, and we may not after all get them exactly true; in such cases we can draw auxiliary lines on the diagram, with pegs and twine we can mark them on ground and then draw the design free-

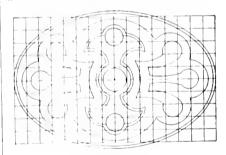


Fig. 33.

hand. This is Fig. 23 and the lines are drawn 1 foot apart each way. ellipse is of course laid out on the ground as formerly directed and the axis major and minor help to get the lines true.

When the design is laid out, we are ready for the planting, which for the more complicated designs is quite a diffi-

cult task. The plants should be stocky and wellhardened; with long, drawn material nobody can do decent work. alternantheras should be well colored. and those grown in boxes or hotbeds are better than the pot-grown stock. For large plants, as cannas, the spade is the best planting tool, one man lifting the soil and another one setting the plant. For ordinary sized plants the trowel is our mainstay, and a good strong steel trowel is the cheapest in the end. For

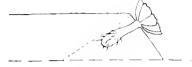


Fig 34.

small plants the fingers can be used if it is a small job and the soil mellow, otherwise, or when the nails are worn to the quick, a small pointed stick or the smallest size of transplanting trowel can be used. In designs drawn as these, the plants must not be planted in the lines, but only to the lines, as these represent the boundary of the different colors; for that reason the best planter should do the outlining, and almost anybody used to planting can do the filling. The design of the bed is planted first, the ground color last. The plants should be set nice and even; if they are not all of one size, the taller ones are planted a little deeper to equalize matters, and it may be necessary to pinch off a few stray shoots that reach above the others.

And now a few words about the planting of echeverias; these little plants give the prettiest effects when they are outlining the bed or parts of the design or both; they should, however, be planted sloping, so that they at the same time raise the bed. How to do this planting is rather a

difficult matter to explain. Fig. 34 shows the operation. is made wet so that it sticks like putty and will "stand" by holding one hand on the line with the desired slope and press-ing the soil against it firmly with the other hand in a shape as the dotted line shows, then the echeverias are laid firmly in this and soil pressed on top; after this soil is filled in to make the surface even. If the outline of the bed is planted and raised in this manner, the design cannot

of course be laid out until this is done. By right a carpet bed should look perfect when planted, but that takes many plants and makes the bed expensive, and on this account such beds are generally planted with a little space between the plants. Until the plants are well established and fill the bed, they should be watered well, but from that time they should only receive water when they need it, otherwise they grow too fast and the best colored leaves fall for the shears.

H. Hansen.

#### New Haven, Conn.

MAY BRINGS TO MEMORY THE TIME OF BROTHER NOAH.—TRADE SHOWS A FAIR DEMAND AND NO OVER-SUPPLY OF STOCK. -THE VIOLET, CARNATION AND CORN-FLOWER.

A little rain may be necessary and more than a little may be received unprotestingly, but when nature weeps on a soaked and bespattered community for twentyfive days out of a possible thirty-one in May most of us feel that we have an excuse for, if not an object in, expostulation. The downpour was too much for plants and

vegetables. Of the former, outdoor shrubbery is all but ruined, and the florists' trade has been unusually good hereabouts in consequence. Vegetable growers are in a sad plight for the early potato erop is particularly affected by the continued rainfall, and strawberries are almost ruined.

One of the consoling effects of the weather of late has been the supply of violets, which were in market a fortnight later than usual. Very seldom are vio-lets sold here on Memorial Day, but this year they could be found in plenty up to this week. But what is meat for violets is poison to carnations, for few have been seen for over a month, and what were on sale have been of poor quality. The sunshine of June, however, brought them out and they are now plentiful. The advent of the cornflower was welcomed to fill up the place left vacant by the going out of the violet. They were in great demand for the Yale-Princeton game of last Saturday, and sold readily for \$2 per 100.

Florists enjoyed a good trade Memorial Day, outdoor shrubs being an unknown quantity. The war, too, seemed to awaken interest in the observance of the occasion.

J. A. P.

#### SITUATIONS, WANTS, FOR SALE

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each losertion. Cash must accompany order. Plant adva. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1888 is entitled to a five-line want adv. free to be used at any time during the year.

SITUATION WANTED—By young man in a commercial place, wholesale cut flower preferred: five years' experience, good refs. L D B, care Am. Florist.

CITUATION WANTED—Englishman: nge 28; mar-lor fled; no children; as foreman in good private or commercial place; 15 years' experience; first-class references. Address H.A. care American Florist.

SITUATION WANTED—As working foreman by a first-class grower of roses, carnations, 'mums, violets and all kinds of pol plants; It years' experience, single, German. Best of references. Address A B C. Leavenworth, Kans.

SITUATION WANTED—By a married man, competent florist and first-class grower of roses and cut flowers in general; also first-class designer and decorator. California preferred. Address FR. QUICKERT. P. O. Salinas. California.

CITUATION WANTED—By all-round and experi-ced gardener; Belgian; single; speaks different larguages; age 22. Private or commercial place, understands every branch of business; good worker; total abstainer; best references. Address V.S. New Rochelle, New York.

WANTED-A good second-hand holler, complete; for low pressure system, smaller size, F. care American Florist.

WANTED-Two good florists; none but good men need apply. State references and wages expected. F. L. Bills. Davenport, Ia.

WANTED-As foreman, an experienced rose grower for Villa Lorraine Roseries Apply T. W. STEMMLER, 36 East 14th St. New York.

WANTED-First-class florists' wire design worker. Steady work the year round Apply with refs. HOLTON & HUNKEL CO., BOX 103, Milwaukee, Wis.

WANTED-At once, a first-class, all-round florist to take charge of plant of 6000 feet of glass. None but steady, reliable young man need apply; references state wakes. Address F. B. Tinker, Pero, Ind.

WANTED-A competent forist and gardener, as partner; have two places. Very little money required to take half interest in either one or both places. For further information address B.B. care American Florist.

FOR SALE-1000 feet 4-inch water pipes with connections at 4 ceots per foot.

5688 La Salle St., Chicago.

FOR SALE—Well paying retail florist burlness, store ned greenhouses. 11. N. Bruns. 690 W. Van Buren St., Chicago.

FOR RENT-Space in store at 451 East 47th St., Chl-cago, for a florist. Finest location on the south side.

HOR SALE-Good chance for man with \$500 and experience to take hold of well-established florist pince. Inquire at 410 Milwaukee Ave., Chicago.

FOR SALE-First-class retail stand, about 5000 feet of glass; new. Has never paid less than \$1300 per year net. Will requir. \$1000 cash, balance time at 6 per cent. Reason for selling, failing health. Address LLLINOIS, care Americao Florist,

TO RENT-Greenhouse 20x50, well stocked, large two-story potting house, new, in Newark, N. J. Address Box 164, Madison Square Branch, New York.

FOR SALE—Four greenhouses, nearly new, splendid retail stand, near business center in residence dis-trict on road to cemetery, paved street. Terms easy, Must retire on account of poor beatth. A. CLAUS, 503 N. 4th St., Springfield, Ill,

FOR SALE OR RENT-10 sere tract of land situated on Rock Road, 5 miles from city limits; 4-mile from street cars; has 3 100-feet greenhouses; steam beat sheds; holler bouse; also fruit trees.

F. HAUSPERGER, 1826 W. Broadway, St. Louls.

FOR SALE—Florist's place in one of the best cities in eastern lilinois. Three bouses, 3700 feet glass, doing a good paying business; city water, telephone and located within three blocks of court house. No competition. Address. H.D. care Am, Florist.

FOR SALK—Greenhouse establishment and residence adjoining in a fine residence section of this city; convenient to business center, with which it is connected by electric cars. General plant and flower business; trade immense. Change of climate necessary on account of beauth.

J. H. CONKLIN, Jollet. III.

Three greenbouses: 4 lots in fine sampe in the city fimits of the best mining town of America; must sell; have mining interest. Address 558 So. 1st St., Cripple Creek, Colo.

#### FOR SALE AT A B \* RGAIN.

FUR SALE AT A BARGAIN.

Florist establishment of over 10,000 square feet of glass; splendid situation. 8 lots 35 ft. iront: water, gas and electric light on street; greenhouses, office and barn all newly built with all conveniences; heated by steam. Ceotrally located in city of 18 400 population in State of Indiana. Competition none to speak of, Leading establishment in the city. Sickness cause of selling. Address Indiana, care American Florist.

#### FOR SALE—Rare Chance.

Five good greenhouses in No. 1 condition and a new steam boiler, large enough to heat 8 houses. The houses are as good as new. The sizes are 10x75, 11x75, 19x75, 22½x75, 12x50. Apply to

WM. F. BEHRING & CO., 509 South 5th St., Richmond, Ind.

### Greenhouses For Sale

Located in the village of Clinton, N. Y., with stock of Plants and Florists' Requisities; 5000 feet of glass; well established; in good order; well-paying patrouage; one acre of land; good 2-story dwelling. This is an admirable opportunity for a practical florist.

GEORGE SCOTT, Rome, N. Y.

#### CHICAGO LOTS FOR SALE.

One block from corner Lincoln avenue and Wellington street, a bunch of lots at \$25 per front foot; sewer and water. Suitable for greenhouse purposes.

P. F. HAYNES & CO..
Telephone L. V. 247. 1004 Wellington St., Chicago.

### NOW READY

THE AMERICAN FLORIST

## DIRECTORY

United States and Canada arranged by by States and Post Offices and All Names ALPHABETICALLY.

FULLY REVISED TO DATE WITH UPWARDS OF

### 3,000 New Names

Price Two Dollars. In Flexible Leather Bindiug, Three Dollars.

American Florist Company 324 Dearborn Street, Chicago, III., U. S. A.

Do not forget to say "saw your ad. in the American Florist" when corresponding with advertisers.

# FORCING BULBS

We have closed contracts with some of the best and most reliable producers for our stock of Roman Hya cinths, Tulips, Dutch Hyacinths,

Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading Forcing Stock. Give us a list of your wants and we will quote same.

DON'T FORGET THAT WE ARE STRICTLY IN IT ON SUPPLIES OF ALL KINDS, SEEDS, BULBS AND CUT FLOWERS.

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### E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

### **CUT FLOWERS**

Hunt's Flowers Go Everywhere

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## A. G. PRINCE & CO. Wholesale Gut Flowers

ANO FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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(Successor to WINTER & GLOVER.)

21 Randolph St, Chicago.

### GRADE CUT FLOWERS,

PACKED RIGHT,

so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our lilustrated Catalogue.

### Wholesale Flower Markets

|       | CHICAGO, June 10             |
|-------|------------------------------|
| Rose  | s. Beautiesper doz75@2.50    |
| - 0   | Brides 1.00@ 4.0             |
| 4.8   | Meteors, Kalserins 1.00@ 4.0 |
| **    | Bridesmalds 1 00 @ 4 (       |
| **    | Gontlers, Perles 1.00@ 3.0   |
| Carn  | ations, common               |
|       | " fancy 2.00@ 3.0            |
| Marg  | merites                      |
|       | Oratum 8(                    |
| Harr  | isli. Callas 2.00@ 4 (       |
| Lily  | of the valley 1.50@ 2 (      |
| Swee  | t peas 25@                   |
| Glad  | loi1 4.00/a2 6.0             |
| Adla  | ntum                         |
| Smile | ax10.00@12.0                 |
| Asps  | тадив40.00@75.0              |
|       | lea                          |
|       | ilesper dozen25@ .50         |

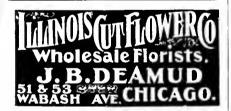


WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

### J. A. BUDLONG

37-39 Randolph St..

CHIC 1GO.



# KENNICOTT BROS. CO. WHOLESALE CUT FLOWERS AND FLORISTS SUPPLIES. WIRE WORK 88 WABASHAVE CHICAGO.

E. C. AMLING

### Wholesale Cut Flowers

51 Wabash Avenue,

W. S. HEFFRON, Mgr.

....CHICAGO.

### A. L. RANDALL 🤻

### Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

### ROGERS PARK FLORAL CO.,

Wholesale Growers of

### **CUT FLOWERS**

51 WABASH AVENUE,

HEADQUARTERS FOR AMERICAN BEAUTIES.

### JAMES M. KING

Commission Dealer in

### CUT FLOWERS.

Cood Money for your Flowers. Cood Flowers for your Money. 49 WEBT 29TH ST., NEW YORK, TELEPHONE 1675 38th St.

### REINBERG BROS.

WHOLEBALE GROWERS OF

### Cut Flowers.

600,000 FEET OF GLASS.

We can fine orders on short notice with all leading varieties of Roses and Carontions. We are headquarters for Fine American Beaulies. Gave us a trial and convine yourself....

WE STILL HAVE FINE SCOTT AND McGOWAN CARNATION PLANTS AT \$1.00 PER 100; \$7.50 PER 1000...\*

Plants and Cuttings sent to press at plant rates, 20 per cent less than more bonds or rates.

We would ear your special attention to our choice you av Plants at \$2.00 per 100 and \$15,00 per 1000.

Our American Beauties are vigorous young plants free from Black Spot.

| printed the control of the control o |        |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| Pe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | r 100  | Per 1000 |
| American Beauties, 212-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$4.00 | \$35.00  |
| 3-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.00   | 45.00    |
| Meteors 212-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.50   | 22 50    |
| 4 3-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.50   | 30.00    |
| Brides 212-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.50   | 22.50    |
| " 3-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.50   | 30.00    |
| Bridesmalds 21 2-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.50   | 20.00    |
| " 3-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.50   | 30.00    |
| Testout 21 g-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 50   | 22 50    |
| Belle Siebrecht 212-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.50   | 22.50    |
| Pres. Carnot 212-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.50   | 22 50    |
| La France 212-in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.50   | 20 00    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |          |

REINBERG BROS., 🛰 🦠 51 Wabash Avenue, Chicago.

... SUPPLY ... ORCHIDS

EXTRA FANCY STOCK FOR SPECIAL OCCASIONS.

TELEPHONE 2778 38TH STREET

50 West 30th Street, NEW YORK CITY.

### TRAENDLY & SCHENCK. Wholesale Florists.

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange, Tel. 961 18th Street. NEW YORK CITY.

# Vou Want ORCHIDS AND LILY OF THE VALLEY for June Weddings and Graduations. 1 can supply you. Order in time.... JOHN YOUNG, 51 W. 28th St., NEW YORK.

### THE NEW YORK CUT FLOWER CO.

II9 and I21 West 23d Street. 112 and 114 West 24th Street,

Telephone 733-18th.

NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

LUDLOW ST.

PHILADELPHIA. PA

### M. A. HART. Commission Dealer Cut Flowers.

44 WEST 29TH STREET,

NEW YORK CITY.

THE BEST MARKET IN NEW YORK. 'Phone 1307 38th St.

### Wholesale Flower Markets

| New YORK, June 8.                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Roses. Beautles. Hybrid       2.00@16       00         Bridesmalds. Testouts. Brides       50@4       00         " Morgans, Meteors       50@2       00 |
| Carnations 75@ 1 25                                                                                                                                     |
| Lily of the valley 1 00@ 3.00<br>Sweet peas, per 100 bunches. 4.00@6.00                                                                                 |
| Sweet peas, per 100 bunches., 4.00@6.00                                                                                                                 |
| Herrisil 4 00@ 6.00                                                                                                                                     |
| Smllax                                                                                                                                                  |
| Asparagus 40.00@50.00                                                                                                                                   |
| Cattleyas 50 00                                                                                                                                         |
| Pæonies 3 00 2 4.00                                                                                                                                     |
| Boston, June 8.                                                                                                                                         |
| Roses Beauties, Brunners5.00@15.00                                                                                                                      |
| " Morgans, M-teors 2 00@ 6 00                                                                                                                           |
| " Brides, Bridesmalds Carnots 3 00@ 8 00                                                                                                                |
| Carnations                                                                                                                                              |
| Lity of the valley 2 (0 & 3.00                                                                                                                          |
| Cornflowers 50@ 1 00                                                                                                                                    |
| Harrisit 3 00@ 5 00                                                                                                                                     |
| Sweet peas                                                                                                                                              |
| Smillar 19 Pun 15 00                                                                                                                                    |

| PHILADELPHIA, June 8                   |  |  |  |  |
|----------------------------------------|--|--|--|--|
| 11 D1 1 00 C 00 00                     |  |  |  |  |
| Roses. Besutles 1 60@ 20.00            |  |  |  |  |
| " Jacqs 1.00 a 3 00                    |  |  |  |  |
| " Teas 2 (0@ 6.00                      |  |  |  |  |
| Carnations                             |  |  |  |  |
| extra 2 00                             |  |  |  |  |
| Lily of the valley, Paonice 2 00@ 4.00 |  |  |  |  |
| Harriell                               |  |  |  |  |
| Sweet peas                             |  |  |  |  |
| Cattlevas                              |  |  |  |  |
| Smllsx                                 |  |  |  |  |

### John I. Raynor,

49 WEST 28th STREET.

NEW YORK.

SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

**Record Breaking Carnations** ALL THE YEAR ROUND.

### THOS. YOUNG, JR.

\* \* Wholesale Florist

43 West 28th Street. New York.

WALTER F. SHERIDAN. WHOLESALE

### FLORIST

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

### ose Growers

Will find a good market and good returns for their stock at....

JULIUS LANG'S 53 W. 30th Street, - NEW YORK.

Edward C. Horan. 34 W. 29th Street, NEW YORK,

### WHOLESALE • FLORIST

Careful Shipping to all parts of the country Price list on application.

### WM. C. SMITH. Wholesale Florist.

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders

Long Distance Telephone 5008 A.

### 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

### FLOWERS, ALL KINDS.\*

PLENTY OF THEM AT

TELEPHONE 382 38th St.

57 WEST 28th STREET. **NEW YORK.** 

GALVIN & CO.

Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES

4 Ordway Place, BOSTON, MASS. Cut Flower Consignments Solicited. Best market.

### GEORGE A. SUTHERLAND, Cut Flowers # Florists' Supplies WHOLESALE.

67 Bromfield St.,

BOSTON, MASS.

Wholesale Florists BRIDESMAIDS.

JOBBERS IN FLORIST'S

LORISTS' VASES.

Horticultural Anctioneers. EY STREET. - BOSTON.

Wholesale Florists

111 West 30th Street, NEW YORK.

Telephone, 260 38th St. Consignments Solicited.

FRANK MILLANG,

WHOLESALE COMMISSION.

408 E. 34th Street,

Cut Flewer Exchange.

**NEW YORK.** 

#### Helpful Reminders.

Perhaps the most important item for consideration at this season is replies to customers questions, which are almost always prompted by unsatisfactory experiences they are having. As a grower you have done your part when the stock is prepared in good condition and on time, but we must give directions cheerfully and correctly. I shall attempt to state briefly two questions that are put daily and formulate replies that your clerks may easily repeat to customers, choosing their own words to convey the idea.

A universal question is: "What must I do to have a clematis live? The one you sold me a year ago, grew nicely for a few days, then died suddenly." In answering you may say in substance: To explain all the causes that defeat the healthy growth of clematis would fill a large book, but by giving you a few pointers most essential to their welfare you will be able to steer clear of further difficulty. The clematis, like many other plants, requires a subsoil that will absorb considerable water and give out vapor that continually rises to the many spreading roots above; this is always most satisfactory when it is largely clay. The reason so many elematis die is that they are planted to buildings where the subsoil is brick-bats, plaster, shavings, etc., that hold no water, but absorb heat. Dig a hole three feet deep, fill it with turf and some manure, put in a pipe at the end so that when the trench is filled you can pour water in at the base and have it soak up, instead of down. Before filling the hole, be sure the ground is well moistened. Always keep the surface dry. In this way they will root deep and be less subject to drougth in hot weather. same treatment is advisable for hardy

Another oft encountered query is: "What is the reason my lilacs and paronies do not bloom?" When we investigate we find that the plants which worry our customers are at a dry corner of the house or on some hard ground on which they are unable to continue a sturdy growth during June and July. Explain that their flowering one season depends on their growth the season previous. To secure a healthy growth now, bore two or three holes at the base of each plant, pour in water until they are soaked. Repeat the operation frequently and add fertilizers, fill up the hole lightly In July continue the process. You will be rewarded next year by an abundance of

For next season's planting sow adlumia and oriental poppy seed, also provide as many ivy geraniums as you will need and grow them on. You require 5-inch pot plants with vines two feet long in bloom to make money and you cannot have them unless you get them going now in 3-meh pots - It pays to look ahead.

Wil Miscross, Dr.t. - L. Iward, Tatuall, an octogenarian, died June 3. He was in the nursery business for many years and was superintendent of city parks He leaves a widow.

### Asparagus Plumosus Nanus.

Strings 8 to 10 feet long, 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

### Bassett & Washburn

88 Wabash Ave., CHICAGO.

Wholesale Dealers and Gut Flowers

CREENHOUSES: HINSDALE, ILL.

### N. Y. CUT FLOWER EXCHANGE

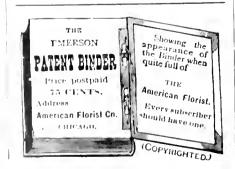
404-412 E. 34th St. Near Ferry.

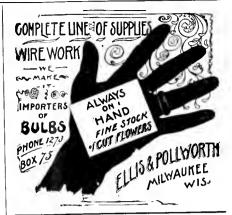
Open for Cut Flower Sales at 6 o'clock Every Morning..... DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

### Wholesale Flower Markets

| CINCINNATI, June 9.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |
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| CINCIANATI: Bune is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 00.003.00.31                                |
| Roses, Beautles, relect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0 60@ 30 60                                 |
| medium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 (100 3 10)                                |
| " Meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3. UER (2) 4 19.)                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 000 3 00                                  |
| Carnations fancy Marguerites Sweet pens.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.00 وي 50.                                 |
| fancy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.50                                        |
| Margueritea Sweet pens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | .25                                         |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.00                                        |
| Cailas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8,00<br>2,00                                |
| Slocks<br>Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20.00 - 19.50                               |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 00                                        |
| Adlantum<br>Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |
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| St. Louis, June 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 00 0 00 00                                |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 00@20 00                                  |
| Meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.00 a 6 00<br>1.00@ li.00                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.00@ 5.00                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |
| " Kalserins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.00@ 1.50                                  |
| Fertes Falsenins Fertes Faces  | 1.00@ 1.50<br>.50@ 2.00                     |
| Violeta California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | . 35                                        |
| " double                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | . 2 00@ 3 00                                |
| Harristi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | . 6 (n@10 00                                |
| Callae<br>Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | , 5,00@ 6 00                                |
| Smtlax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ,15.00@20.00                                |
| MILWAUKEE, June 9.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             |
| The state of the s | . 5 00@20.00                                |
| Brides, Bridesmalds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 00@ 4 00                                  |
| " Perles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | . 1 00@ 3.00                                |
| " Meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | . 2 00@ 4 00<br>75@ 1 50                    |
| Peries Meteors Carnations Lily of the Valley Paganes Marguerites, yellow Smitax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 75% 1.50                                    |
| Lily of the Valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.(11@ 3.00                                 |
| Parontes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | . 2.00@ 4.00<br>.2o@ 75                     |
| Margueritea, yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12 50 to 15 00                              |
| Adlantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |
| BUFFALO, June 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.000 10.00                                |
| Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.0065.6.00                                 |
| Brides, Bridesmaids,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (10) on 6 (10)                            |
| " Meleora Niphotos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 000 4 00                                  |
| " Kaisarina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 000 6.00                                  |
| Carnations, white and colored                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | . 1 D km 2 DO                               |
| fancles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.10@. 2.50                                 |
| Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 10                                        |
| Harrish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | , 1 10000 10.00                             |
| Sweet peas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |
| Smilax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (11) @ 1 95                               |
| " Meteors " Fertes Niphetos " Kulserins. Carnations, white and colored. Lily of the valley. Harrisli sweet pens. Smillax Adjantum. Aspantagus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 50.00@75.00                                 |
| Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1100 1000                                   |
| LOUISVILLE, June 9.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |
| Roses, Beauties per dozen1.(16a2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GD                                          |
| · Brides, Bridesmulds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.0000 4.00                                 |
| " Meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3. ( Unc. 4 10)                             |
| Meteors<br>Kolserios                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | . \$ 0000 5 00<br>2 000 5 00<br>2 00 6 5 00 |
| Peries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 Ou a 2 Du                                 |
| Carrier Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 00to 2.00                                 |
| Lily of the Valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | .2500 .50                                   |
| Callas, per dozen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | .00                                         |
| Teries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | , , 20m , 50                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |
| Marguerites.<br>Smblax per dozen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 191                                         |
| Similar per dozen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | . TALL (55)                                 |
| Adiantum Arparugus, per string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (3)                                         |
| APDATORIUS, DEF BLUIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |





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The success in heating the dwelling from the greenhouse boiler will depend largely upon the relative height of the water in the boiler and the lowest point in the main to the dwelling. If the pipe is one and one-half to two feet above the water level, the steam can be carried under the drive way, but with less than this there is likely to be trouble, and three or four feet will be desirable. If the above condition can be secured after dropping the pipe to the point where it is to run beneath the driveway, carry it with a slight fall until it has entered the dwelling, then take off the risers and conmeet the lowest part of the main with the return from the dwelling, by means of a small relief pipe. This will drain off the condensed water from this part of the main and prevent its pocketing. After the pipe has been wrapped in asbestos, or other non-conducting packing, it can be enclosed in sewer pipe, with a diameter three or four inches greater than that of the wrapped pipe. This will be found a cheap and durable method of insulating the pipe, and but little heat will be lost. L. R. TAFT.

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A. L. Brook has added thirty-five acres to his nursery at North Topeka, Kan.

NEW Brighton, Pa.-Thomas Edwards will retire from business on July 1 in favor of his son.

THE Allen Nursery Co., of Rochester, N. Y., has reduced the number of its directors from five to three and increased its capital stock from \$6,000 to \$1 ',000.

CORNELIUS S. COLE, aged S2, died at Spencerport, N. V., May 27. He was engaged in the nursery business for more than thirty years. A widow and one son, George M., survive him.

THE Board of Control of Toronto has given Leslie & Son the contract for the trees for Island park at the following prices: 200 Lombardy poplars, 15 cents each; 200 Balsam poplars, 20 cents each; 1,000 assorted willows. 15 cents each; 250 Manitoba maples, 20 cents each; 500 Scotch elms, 25 cents each; 250 European ash, 25 cents each.

THE NURSERYMEN'S MUTUAL PROTEC-TIVE ASSOCIATION, in session at Omaha, June 8, elected the following officers: President N. H. Albaugh, Tadmor, O.; vice-president, W. C. Barry, Rochester, N. Y.; secretary-treasurer, G. C. Seager, Rochester, N. V. executive committee, Irving Rouse, Rochester; E. Albertson, Bridgeport, Ind.; F. H. Stannard, Ottawa, Kan.

ROCHESTER, N. Y.-William G. Watson died June 3, aged 69 years, leaving a wife, three sons and four daughters. He was manager for the firm of Ellwanger & Barry, nurserymen, with whom he had been associated for forty-three years. Mr. Watson was born in Belfast, Ireland, but had made his home in Rochester since 1853. He was a man of exemplary character and wide acquaintance.

THE WESTERN ASSOCIATION OF WHOLE-ALE NURSERYMEN, in session at Omaha, June S. cleeted the following officers: President, C. L. Watrons, Des Moines. In .; vice-president, Samuel Lorton, Davenport, la secretary, Thos B. Mechan, Philadelphia; treasurer, W. J. Peters. Troy, O. Reports showed a decrease of matured stock of about 500,000 apple trees and 350,000 cherry plants. It shows an increase this spring of over 2,000,000 apple grafts and about 16,000 cherry stalks for budding. The total plant of apple gratts this season approximates 7,000,000

#### American Association of Nurserymen.

The twenty-third annual convention of the American Association of Surserymen was in session at Cimaha on June S and 9. About 150 members participated in the husiness and pleasures of the meeting.

The address of the president, Irving Rouse, of Rochester, N.V., outlined the action of the body as his suggestions were closely followed. He said in part:

"Without the aid of this association the nursery schedule in the Dingley tariff act. of which we are expecting so much, would never have been enacted. The federal law, or San Jose scale act, now before congress, and which we hope will shortly become a law, was only accomplished by the united efforts of this association

on March 18 the Homamon houses of

parliament passed what is known as the Canadian exclusion act. This act bars out of Canada all nursery stock. It is estimated that at least \$500,000 worth of nursery stock had been sold from the state of New York alone in Canada, a great portion of it at retail on which commissions had already been paid, and not a dollars worth of which could be shipped. A protest was at once lodged at Washington, but the governor-general of Canada refused to suspend all or any part of the law, not even excepting the stock already covered by previous contract.

"In view of this state of affairs it seems very desirable that this association take some action looking to a rescinding of this law or to retaliation; if the former cannot be accomplished, under the federal scale act the secretary of agriculture would have the power to bar Canadian fruit out of the United States for the same reason that Canadiansbar our trees, and with more justice. I would suggest that this whole matter be thoroughly discussed and placed in the hands of our legislative committee.

The San Jose scale and legislation against the pest received much attention and the legislative committee was instructed to use every endeavor to secure the passage of the pending Barlow bill.

The following officers were elected: President, A. L. Brooke, Topeka, Kan.; vice president, E. Albertson, Bridgeport, Ind.; secretary, George E. Seager, Rochester, N. V.; treasurer, Charles H. Yates, Rochester, N. Y.; executive committee, C. L. Watrons, Des Moines, Ia.; R. C. Berckmans, Augusta, Ga., F. H. Stannard, Ottawa, Kan.

The association voted to meet in Chicago in June, 1899.

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G. Gardner, has been transferred from Jobstown, N. J., to our Nurseries at Stoke-Pogis, Pa., and all orders can now be promptly filled by addressing the undersigned. Descriptive catalogue mailed on application. Those in the trade having wealthy clients, with hot or cold graperies, can procure for them, from this collection, the latest and best acquisitions, as well as the standard sorts. On and after JUNE 15th the plants will be ready to ship in pots well-established, and in first-class condition.

### Stoke-Pogis Nurseries,

Juniper and Walnut Streets, - PHILADELPHIA.

G. C. WATSON,

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#### EVERGREENS, Etc.

20,000 American Arbor Vitas, 2 to 8 feet specimens and hedging plants.
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3,000 Mahonias aquifolia and Japonica.
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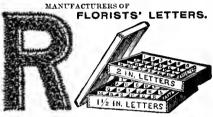
#### Nashville, Tenn.

HOT, DRY WEATHER AFFECTS STOCK .-FUNERAL WORK THE ONLY BUSINESS OF THE WEEK.-NOTES.

The weather has been intensely hot and flowers are beginning to suffer. The sweet pea crop, particularly, will be cut offunless there is a rain very soon.

With the summer heat has come the summer inactivity in floral circles and had it not been for funeral work, the past week would have touched the limit of summer dullness. The death of the wife of a prominent railroad official caused an unusual demand for handsome floral tokens. The pall was of American Beauty roses, and one of the most pleasing designs was a shaft four feet high, made of white flowers, entwined with a garland M. C. DORRIS. of Meteor roses.

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#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B RICE, Pres : E. B. CLARK, 1st Vice res . S. F. WILLARD, Wethersfield, Conu., Sec y Pres. and Treas.

MR. WARNER, of Van Heemstra & Co., sailed for Europe June 4 on the steamship Spaarndam.

AUG. RHOTERT, of New York, sails for Europe about June 20, returning September 1. Mrs. Rhotert will accompany him.

PRESIDENT RICE predicts a good time at Old Point Comfort during the coming meeting of the Seed Trade Association. His party will go via Old Dominion line from New York, 4 p. m., Saturday, June 11. Sessions open Tuesday, a. m., June

VISITED CHICAGO: August Rhotert, New York: R. C Stochr, of the Dayton Label Co., Davton, Ohio; Henry A. Salzer, La Crosse, Wis., and R. H. Shumway, Rockford, Ill. Messrs. Salzer and Shumway summarized the business of 1898 as exceeding that of last year by about 10° c. The latter gentleman is already purchasing printing material to begin work on his 1899 catalogue.

#### Indianapolis.

SPRING TRADE RATHER DULL.—MEMORIAL DAY ENTERPRISE.—FLORISTS' CLUB MAT-TERS -- ROTHERMEL'S TUMBLE.

Spring trade in general and especially for Memorial Day did not come up to expectations. A few florists report business equal to last year, but with most of us there were fewer sales and lower prices. Memorial Day brought a very unpleasant surprise to those in the trade whose places are close to Crown Hill cemetery, as some florists from other parts of the city were stationed with their wagons on the street leading to the cemetery and were disposing of large quantities of flowers there. The influence of these street sales was heavily felt by those doing business in that neighborhood for they were prepared for the usual amount of business and some of them had a large amount of surplus stock on hand.

The police have at last been successful in capturing some of the flower thieves. So much flower stealing has been going on in the south side of the city, that the florists in this locality declare the evilhas

affected their business. The mid summer meeting of the State Florists' Association will be held at Richmond on July 2. The attendance from this city is expected to be very large as the Incianapolis boys well remember the hospitality which they have enjoyed at Richmond on former occasions

The influence of the hot weather was felt at last night's meeting of the Florists' Club Besides appointing a committee to make preparations for the annual pic nn , little mismess was transacted.

H C Fothermal, of the city greenhouse force was named while riding his wheel, he tried to light off a dog and can against a bridge. The dog and bridge escaped mury, but Mr Fethernel will be laid up for several days.

#### Pittsburg.

REDOMS ARE PERSONNELLED IN CHRISTARY SCARGE FRANCA TRIB TO OMAHA --- I UIG WIG STELONIES SEMS NOTES

The several days of hot summer weather which we have been experiencing have hurt business. Howers were extremely

plentiful, but buyers were scarce, and several of the florists sent large quantities to the hospitals rather than send them to the dump. Roses were retailed at from 50 cents to \$1.50 per dozen, and carnations at 25 cents to 35 cents per dozen. In the plant department a fair business was done, but it will be about over in another week. Those in this branch of the trade are well satisfied with the season's work, as prices have been high enough for a profit.

Several of the local florists are agitating a plan for the society to go in a body to the S. A. F. convention at Omaha. It is expected that from twenty-five to thirty

will go from here. E. C. Ludwig, of Allegheny market, has had several very handsome varieties of paronies of his own raising on display He contemplates giving a this week. parony exhibition next year, and as he has over 1,500 plants and many varieties it would prove very interesting.

T. P. Langhans will go to Somerset county with his family about the end of the month to rusticate during July and August. He will not attend the convention at Omaha.

Julius Ludwig and wife leave in a few days for New York and the seashore.

REGIA.

LINCOLN, ILLS.-Chas. Woodruff, head gardener at the state home for feebleminded children, was drowned in Salt Creek June 4, while rescuing an inmate of the institution.

BALTIMORE, MD.-Merryman & Pattison, auctioneers have conducted some very successful plant sales this spring although very few florists have been among the bidders.

LEBANON, IND.-Gustave II. Minx, who bought the Lebanon greenhouses of II. L. Moore, assignce for W. A. Bilger, declined to retain his purchase, claiming that it was not what he expected to get, and Mr. Moore once more offers the establishment for sale. Mr. Minx has returned to his old position as gardener at the Northern Indiana Hospital for the Insane.

CANTON, OHIO. - Burglars blew open the safe in Charles Brown's greenhouse office at obout 3 o'clock on Tuesday morning. at obout 3 o clock on Tuesday morning. The explosion aroused so many persons that the robbers were obliged to run, leaving most of the valuables behind them. They, however, secured a gold dollar which Mr. Brown prized as a keep-land them. sake, as it was given him some years ago by Mrs. William McKinley.

#### NOTICE.

Mr. Charles P. Braslan's connection with use recol with the close of business. May 31st. We be gete inform the trade generally that we have no connection with Mr. Braslan or the Braslan Sea Growers to and are not responsible for any of hoor its acts.

Order requiring prompt attention should be addressed to Mr. V. J. M. Jonner our Manager in the cago, at 12 North Clark Street. All other better perfaming to our pass or present husiness in the case, and all remittances, should be mailed to it for top other.

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Grafting Wax

Trowbridge's Celebrated Grafting
Wax, the genuine article, 1 lb. bars
at 19c; ½ lb. bars at 20c; ¼ lb. bars
at 29c per pound. Rebates: 10 lb.
lots. 5 per cent: 25 lb. lots. 10 per
cent: 50 lb. lots. 15 per cent: 100 lb.
lots. 20 per cent. Address all orders
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#### Syracuse, N. Y.

SPRING TRADE HAS BEEN FAIR .- FRENCH CANNAS IN SLIGHT DEMAND,-RED GERA-NIUMS IN FAVOR .- HYBRID ROSES THE FAVORITES.

Spring trade has been fully up to that of last year but planting out was greatly retarded by bad weather, causing a great rush just before Memorial Day.

Contrary to expectations French cannas, which had sold so well in previous seasons, have been in slight demand. This is attributed to the fact that buyers who planted largely of them have learned to hold them over in their own cellars. Red geraniums, especially the varieties S. A. Nutt and Grant, have been more largely planted than ever and about the only scarce article on the market has been good vincas. The best selling plants have been hybrid roses in pots. More than double the usual quantity was grown this More than year and sold out at from 50 cents to \$1 each.

Memorial Day's trade was about 10% larger than that of last year, more small plants being sold for this occasion. supply of coarse flowers was far from being equal to the demand but roses and carnations were plentiful and of extra fine quality. Herbaceous pyrethrums were out just right and it seems strange that more of these valuable plants are not grown for cutting. ALPHA.

NORTH TOPEKA, KANS.-Peters & Skinner have presented the fire department with fifty rose plants which have been set out about the fire station.



CYCAS REVOLUTA. The true, long-lenved variety. Freshly imported, dormant stems. Run from 5 to 10 ibs. each. Note the price: 10c, per 1b., \$8 per 100 ibs., \$75 per 1000 ibs., \$10 per 100 to 100 rate; 500 lbs. at 1000 rate; 500.

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WIFLGRUM PURE STOCK . SOUND AND WELL RIPENED.

I have 3 sizes Japan Longiflorum-5 to 7, 7 to 9, and 9 to 10 inches, but as the large size is in short supply, I can book same only when some of the other two are taken, and l advise early orders, as there is a run on the Japan Stock this year, Delivery September 25th to October 15th, 1898. Prices guaranteed. 1 will be pleased to have a list of your wants in this item; also in Harrisil, Romans, Paper Whites, Dutch Bulbs, Valley, etc. Let me hear from you. All orders, large or mall, receive the same careful attention. Address all communications to Juniper and Walnut Sts., Philadelphia, Pa.

G. C. Watson.

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Rothschild, Hawkeri, Interrnptum, Evansia-num, Rubra Lineata, Andreanum, Aurea Mac-ulatum and others, suitable for bedding. Fine plants in 3-mch pots. \$2.00 per doz. New and rare varieties, 50 cents each.

rare varieties, 50 cents each. Aurea Maculatum, extra fine plants in 4-in. pots. \$2 50 per doz.; \$15 per 100; 3-inch pot plants. \$2 per doz.; \$12 per 100; thumb pots, \$1 per doz.; \$6 per 100.

#### Edwin Lonsdale,

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CHESTNUT HILL, PHILA., PA.

3 plants, 5-in, pot 48 to 20-in, high, per 100, \$10,00 3 plants, 10-in, pot, 48 to 50-in, high, each, 4.00 4 plants - 2 in, pot, 8 to 12-in, high, per 100, 5.00

#### COCOS WEDDELIANA

#### KENTIA BELMOREANA

21,-in., 3 leaves, 10 to 12-in, high, per 190, 3 in., 4 or 5 leaves, 15 to 18-in, high, per 190, 5-in., 4 to 6 leaves, 20 to 24-in, high, each,... All measurements from top of put, 1.00

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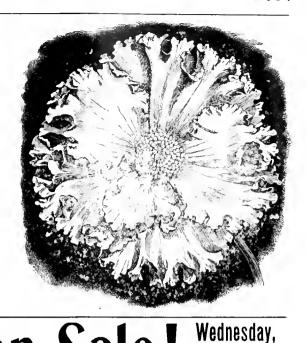
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Extra fine stock, 3-inch pots, one character leaf, \$10 per 100. 4-inch, two character leaves, \$12.50 per 100.

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With fine leaves, \$400, \$5.00 & \$600
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   All in fine order, among them being many fine specimen plauts, also a collection of Dendrobiums, Cymbidiums and Oncidiums; also

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  NEPH, CORDATA COMPACTA—6 to 10-inch pans.
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  Funkias and many others.

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50,000 Plants in 21g-inch pots, \$5.00 per 100, express: 24 for \$5.00 per 100, express; 24 for \$1.50 by mail. Specimens for 8-inch pots, \$6.00 to \$12.00.....

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Per 100 \$18.00.

Cash with the order.

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#### Treatment of Cyclamen Bulbs.

ED. AM. FLORIST:-Does it pay to bother with keeping cyclamen bulbs over to the second year, especially the small ones? 1 had some left over and have a lot of seedlings again this year. Would like to have the opinion of some grower as to the best course to pursue with the old bulbs. SUBSCRIBER.

FROM THE COMMERCIAL STANDPOINT.

We do not consider it worth while bothering with old bulbs. If special care is taken good results may be obtained, but I have never found it to pay, as if seed is sown at the proper time and the plants skilfully handled, the young plants will be as a rule far superior to old stock. However, good specimens may be grown from the old bulbs if the inquirer will dry them off gradually, leaving them in the pots and withholding water by degrees until quite dormant, then take the plants -pots and all-to some cool, shady place outdoors, cover them to the depth of about two inches with coarse sand and leave them there for four to six weeks; then take the old bulbs, shake out the soil and re-pot. They should next be placed in a frame, watered sparingly at first and afterward cultivated the same as young stock. This is the old way of thirty or forty years ago, and it is good enough, only that it spreads over two years that which can be accomplished in J. M. KELLER. one.

Brooklyn, N. Y.

AN EXHIBITION GROWERS' ADVICE.

It does not pay to bother the second year with eyelamen bulbs that have been starved or neglected the first season; but if they have not received a check while growing the first year, they will start and make fine plants the second, and produce twice as many flowers as seedlings. They will probably require a larger size of pot than that used for seedlings at the final potting. To get the best result from eyclamen bulbs the second year they must be dried off gradually and ripened until they lose all the old leaves. It will not do to neglect them while they are undergoing the drying-off process; give them a good sunny bench with sufficient water to keep the roots alive and prevent the bulbs from shriveling. About the middle of [une it will be time to re-pot them; shake them out of the old soil, being careful to save all the roots that are alive, and transfer to pots two sizes smaller than those in which the plants were pre-viously flowered. They like a good, fibrous mixture to grow in one-half good sod broken up and one-half loam, with a fair allowance of well-rotted cow manure, charcoal and bone flour. The pots should be well drained, as one of the main points in the successful culture of these plants is to preserve the soil in a sweet condition. They will not require much water until they start to make a good growth, but a light syringing night and morning helps them to break away. Shade during the hottest part of the day, and pot on all the plants as they require it. They should be grown in a frame during the summer months, placing them near the glass and throwing the lights off morn-JOHN BARR. ings and evenings. Natick, Mass.

Wilmixorox, Dil..-The Clinton Floral Company advertised its ornamental iron vases in one issue of a local weekly and in two days had received thirty two And yet some people think that replies. advertising does not pay

# YOUNG

# ROSES

**PLANTS** 

ALL STOCK SENT OUT IS FIRST-CLASS IN EVERY RESPECT.

| From 2½-inch Pots.                   | Per 100 | Per 1000 |
|--------------------------------------|---------|----------|
| From 2½-inch Pots. AMERICAN BEAUTIES |         |          |
| BRIDES                               |         |          |
| BRIDESMAID                           |         |          |
| METEOR                               | 3.00    |          |
| KAISERIN                             | 3.00    | 25.00    |
| PERLE                                | 3.00    | 25.00    |
|                                      |         |          |

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# J. A. BUDLONG, 37=39 Randolph Street, CHICAGO

CHICAGO. ILL.

# 40,000 FIRST QUALITY FORCING ROSES. READY FOR MEDIATE PLANTING. Fn.ly equal to those sent out the last sly years, first class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating. READY FOR

WOOTTON METEOR PERLE BRIDESMAID Only selected growth from nowering shoots used in propagating.

LA FRANCE AMERICAN BEAUTY PRESIDENT CARNOT

Sinch pots, \$8 00 per 100. 4-Inch pots, \$12 00 per 100.

KAINERIN SUNSET BON SILENE MEMBET

GONTIER MME. HOSTE NIPHETOS BRIDE

BELLE SIEBRECHT. 3-Inch pots, \$7.00 per 100. 4-Inch pots, \$10.00 per 1000.

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#### IN COLD STORAGE IN CHICAGO.

No. 1, 2 to 4 leet, cut back to 2 leet Yellow Rambler (Aglaia) Hybrid Perpetuals, Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,

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Fine Bride, Bridesmaid, Perle, Sunset and Meteor,

21;-inch Rose pots......\$3.00 per 100. 3-inch pots, standard..... 5.00 per 100.

W. J. & M. S. Vesey, FORT WAYNE, IND.

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Fine young plants, healthy and strong. 21<sub>2</sub>-inch pots, \$8,00 per 100; \$70,00 per 1000.

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Wyndmoor, Chestnut Hill, with order. PHILADELPHIA, PA. Money Order Office, Station H. Phila Cash with order.

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Beauties, Brides, Maids, Meteors, Woottons and Perles, 212, 3 and 4-in. Strong, clean. and Perfect, 2½, 3 and 4-m. Strong, clean, healthy stock, cheap for cash, to clean up. If you want good stuff at prices to sun write us for prices at once. Address...

J. N. KIDD, Florist, St. Joseph, Mo.

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5 000 MAIDS... 5 000 BRIDES... 10 0.0 METEORS... Also one second-hand No. 16 Hirchings Hot Water Boiler. Apply to

THE FLORAL EXCHANGE, 614 Chestnut Street, PHILA.

# Now Ready!

The American Florist Company's ..

DIRECTORY Of Plorists, Nurmers of the United States and Canada, Price Two Dollars. Three Dollars... In Flexible Leather Binding,

AMERICAN FLORIST COMPANY 321 Dearborn St., CHICAGO, III.

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NEW PINK FORCING ROSE

Winner of 6 certificates, medal and silver cup. \$3.50 per doz., \$25.00 per 100. A fine stock of young chrysanthemums and carnations. Soud for trade list describing above in detail.

H. WEBER & SONS. Oakland. Md.

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FROM 2 I-2 INCH POTS.

Strong, thrifty, well established plants. General price \$4.00 per 100. Extra fine lot of Crimson Ramblers. . . . . .

Jackson & Perkins Co. NEWARK, NEW YORK.

# ROSES..

2-in. per 100 3-in. per 100 **\$.. \$5.00** Am. Beauties . .

Perle . . . . . . . \$2.75 Bridesmaid ... 2.75 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

# Memorial Kose

(Rosa Wichuriana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON, MORRISVILLE, Bucks Co., PA.

# FORCING ROSES. Per 100

214-in. 314-in ...\$2.50 \$1.00 ....2.50 4.00 ....2.50 4.00 BRIDESWAID..... METEOR

White, Pink and Yellow Ramblers, same price, Mounvines \$25.00; Alternantheras \$18,00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

# Do You Need Young Rose Stock

for planting, out of 3-in, pots? A dollar more on the bundred is nothing if you get better stock. Send like or \$1.0 in stamps for samples of what you want to

GEO. A. KUHL, .... PEKIN, ILL.

# Asparagus sprengerii Asparagus Plumosa From 2-inch pots & \$1.00 per 100. If you want a large lot, write us for special price and samples. Asparagus Plumosa Strong 2-inch plants of \$15 per 100. \$150 per 100. Asparagus Plumosa Strong 2-inch plants of \$15 per 100. \$150 per 100. Robt. Craig & Son, Market and 49th Philadelphia. Streets, Philadelphia.



# Chrysanthemums, 212-111.

Carnations, from soil.

Geraniums, 3-in.

All fine stocky

Cannas, 4-in.

Write for Quotations.

The Cottage Gardens, QUEENS, L. I.

# **CHRYSANTHEMUMS!**

All the very best commercial varieties, viz.:

Marquis de Montmort, Lady Fitzwigram, Bergmann, Merry Monarch, Glory of Pacific, Robinson, Henderson, M. M. Johnson, Golden Trophy, D. Spaulding, Viviand-Morel, Mrs. Perrin, tvory White, Ivory Pink, M. Bonnaffon, Mayflower, Modesto, Jerome Jones, white, yellow and pink, Maud Dean, H. W. Rieman, Lottie Berry, Maud Adams, Emil Buettner Gretchen Buettner, Stock unexcelled and very large quantity of it ready, Let us book order for now or future delivery. 21, inch. \$3.60 per 100. Cuttings, rooted, \$2.00 per 100.

Marie Louise Violets, rooted runners, \$10.00 per 100. . . .

# POEHLMANN BROS.

MORTON GROVE, Cook Co., ILL.

3-INCH, \$4.00 PER 100. BRANT & NOE, Forest Glen, Ills.

Convention It would be folly to attempt

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NO DRUMMER LIKE IT 🥴

# ose Plant

Per 1000 \$45.00 25.00 25.00 25.00 Per 100 

# ROGERS PARK FLORAL CO.

**CUT FLOWERS** ROSE PLANTS.



51 Wabash Ave. CHICAGO

INCH POTS...\*

American Beauties, Bride, Bridesmaid, Bon Silene, Caroline Testout, Kaiserin Augusta Victoria, La France, Meteor, Morgan, Perle, Souvenir de Wootton, etc., etc.

Also Clothilde Soupert, Mossella and Clara Watson, suitable for immediate planting for summer blooming in extra fine stock from 3 and 4-inch pots.

JOHN N. MAY, Summit, New Jersey. = 

Brides, Bridesmaids, Perle, Sunset, Niphetos, and new climbing Niphetos, 21-2 in. pots ready for a shift, \$2.50 per 100. 'MUMS: 'Murdock, Ivory, Whilldin, Prass, Inter Ocean, Morel, John Shrimpton, Niveus, Mutual

Friend, C. B. Whitnall, Bonnaffon, Robinson, Philadelphia, Dailledouze, Yellow Queen, etc., \$2 per 100, 2 1-2 inch pots; Mrs. A. F. Wienold, 20c each, \$1.50 per 12, \$10 per 100. McDONALD & STEELE, Crawfordsville, Ind.

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 2)<sub>2</sub>-in, pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

#### Smilax.

How shall I treat a bed of smilax which has been growing where it now is for about a year? Which is the most expediabout a year? Which is the most expeditions way of "stringing" smilax? We have found it a slow and tedious job. Please give prices at which it may be sold at a profit, and any other information about the various greens now in use will R. & E. be appreciated.

The days for 50 cents per string or even 25 cents at wholesale are past in most of the large cities. There is, however, always a demand for this pleasing green. It has often been a subject for cogitation in my mind which of the vines as a green would he selected if all the varieties now in use were introduced at the same time. Asparagus tenuissimus had only a brief career. The so-called smilax has outlived it, that is to say, so far as Philadelphia is concerned, for 1 have not seen a spray of the variety which was about at the height of its popularity ten or twelve years ago. A. plumosus is still used, and I believe, up to this time more than ever, though some of the larger growers are complaining that it does not sell as freely with them as it did a few years ago. That is accounted for because more florists are growing it now than there were at that time. Asparagus Sprengerii is in an experimental stage, with good prospects of its becoming popular and being used largely.

To return to smilax, whether it will pay to keep an old bed depends upon circumstances. Twelve or fifteen years ago I saw a solid bed of smilax in an establishment at Baltimore that had been then growing in the same spot for a number of years, and was apparently as good as ever. The bed received a good cleaning and an annual top dressing of well decayed stable manure, and that was all the attention it received. Whether it is advisable to leave in old plants depends upon the natural or artificial drainage, and the mechanical condition of the soil. At one establishment I was interested in, we could leave the plants in from year to year with the loss only of a small percentage. The soil there was composed largely of rotted rock. When operations were commenced in my present location it was found to be impossible to carry the old plants over without serious loss, so much so that after a few expensive experiments we considered it more satisfactory and much more profitable to make a planta-tion with young stock yearly. The soil tion with young stock yearly. here is a stiff, clay loam.

The applying of strings to smilax is a redious operation, but if a good system is adopted it is not nearly so formidable an undertaking as it appears to be, especially if it is done when the first evidence of the young growth is apparent. I do not believe in putting wires across the bed as I have seen them in some establishments. Overhead it is necessary and it should be put in position not lower than eight feet from the plants The wire will need a support, across the house, on which to rest at intervals of eight fect or so apart. These supports may be gas pipe three-eights of an inch in thickness, which makes a cheap and neat job, or whatever may be most convenient. I have often seen sash bars used. We find gray or drab shoe thread best for the vines to twine upon, as it is thin and fine.

When the number of plants is ascertained, score the same number of stakes, it is not necessary to spend much time in their preparation, as almost anything that will last one season will do. They must, however, be pointed at one end,

one cut with a sharp knife, properly directed, being sufficient, and they should be sufficiently stout to remain firmly in the bed when once in position. In addition to the point, the stake should have a slit sufficiently distant from the opposite end so that the piece or chip will not pull out when the string is attached thereto and securely tied to the wire at the top. The stakes should be from eight inches to a foot long. The reason stakes of this length should be used is to prevent the string from rotting by too close contact with the damp soil. In our method of stringing we secure two boxes-soap boxes will do-and place them on each side of the bed. They should be high enough so that the plank when in position across the bed and on the boxes will be just high enough to escape touching the young growth. Two nimble fingered boys, interested in their work, can string a lot of smilax in a day, when everything is ready. The ball of thread should be put inside a 4 or 5-inch pot turned upside down and placed on the plank, carrying one end through the drainage aperture. One boy with stake in hand, the slit towards him and his thumb ready to press the thread holds the former firmly while the thread is placed in the slit and wound twice around the stake and in the slit, which makes it secure without a knot of any kind, and then presses the stake into the soil near to a plant and hands the string up to the other boy on the plank, who in turn cuts the string long enough to allow of tying easily on the wires above and drops it, the boy below eatching it and going through his part of the operation again, and so on.

At what time smilax should be planted depends upon when it is needed to eut. If planted too early I have seen the foliage very much disfigured by thrips. It is similar in its actions and depredations to the cabbage and turnip flies, which work havoe on some outdoor crops. When cooler weather comes in the fall it does not trouble the plants at all, but the leaves which it has been working on remain disfigured. We have found good results when planting thrifty stock from Binch pots in September and October, and in a temperature not lower than 55° at night. Some strings will be ready to cut early in December, and in order to make the most of the crop a new string should be put in position as soon after the old one is cut as possible. This will be found more troublesome than when the string was first applied. Oceasionally it is advisable to go through the vines and see to it that they are not rambling over upon their neighbors. to distance apart, I have planted them with good results at eight inches apart in rows six inches asunder. About the profit of the crop, many contingences require consideration at this point, but briefly it may be stated that three full crops at 20 cents a string will pay hand-

FLORA HILL canse there is nothing in significant wherever grown. It is fragrant. It is the lorgest bloom. It puts all others, in the shade. Nothing past or present to equal it. We have four thousand plants exclusively for propagating from; don't allow them to bloom. Send at once and get the best stock ever offerred. E.B. per 100; 80 M per 1000, 180 M per 1000, 180 M per 1000, and for the standard for the propagating from the propagating from the per thought of the per 100 M per 1000. 180 M per 1000, 180 M per 1000, 180 M per 1000.

E. G. HILL & CO., Richmond, Ind.

FIELD GROWN CARNATIONS.

All the best varieties ready in September

GEO. HANCOCK & SON, Grand Haven, Mich.

Please mention the American Florist

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IN BUD AND BLOOM.

Many Fine Varieties added to Our Collection.

Best Mammoth .....per 100, \$3.00; per 1000, \$25.00 Ceneral Collection 2.50; 20.00

#### ROSES.

American Beauty, 3-inch pots ..... per 100, \$10.00 Bridesmaid, Bride, Perle, Meteor, Bon Silene, Sunset, Watteville, Mermet. Price from 214 inch pots, \$5.00 per 100: \$40.00 per 1000. Ever-blooming and Polyantha, in bud and bloom from 32, 4 and 5-inch p ts, \$10.00, \$15.00 and \$20.00 per 100

Hybrid Perpetual, in bud, from 5-inch pots, strong \$25.00 p r 1 0.

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50 fine varieties from 234-inch pots. \$3.00 and \$4.00 per 100 send for list of varieties.

### MISCELLANEOUS PLANTS.

| lteady for immediate sales. 100.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
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| Anthemia Coronaria, from 21/2 Inch pots\$3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
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| Alternanthera, sli leading variables 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Ageratum, olue and white 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
| Carnations, from 4-Inch pots, fine stock 12 (0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | • |
| Coleus, leading sorts, 24-Inch pots 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
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| Ceraniums, double and single, 4-inch pots 8 (0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
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| " Ivy, fine variety, 4 " \$.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
| Heliotrope, from 3-lach pots 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
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| Hydrangea Otaksa, 5 ln., bushy 25.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
| Fucheige, double and single, 31/2-lach pots 8 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
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| Moonflower, 25e-inch pots4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
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| Pelargoniums, 25/e-Inch pots 6 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Salvia Spiendens and Bedman, 214-16. pots 3 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
| Vinca Varlegata and Elegans, 4 Inch pets 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
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| Violets. Marie Louise, 2½-Inch pots, \$25.00 per 1000: \$3 D0 per 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
| Pansies to bud and bloom \$2.00 per 100; \$15.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
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| All the above is from stock in condition for imme-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
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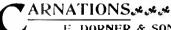
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SMILAN from 2-inch pots \$2.00 per 100; \$13.00 per 1000 HYDRANGEA Otaksa, from 3-inch pots \$5.40 per 100, GERANH MS, from 2-in, pots \$2.50 per 100; \$20 per 100, "3-in, pots, \$1.00 per 100; \$5 per 100, "1-in, pots, \$6.00 per 100, \$50 per 1000. Cash with the order, Seed for samples, FRED, BOERNER, Cape May City, N. J.

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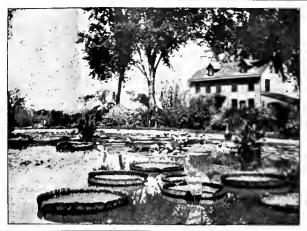
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Three to five leads, 18 to 24-inches long, 75c per doz.; \$5.00 per 100.

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#### Cleveland.

SLOW SALES ARE THE RULE. - STOCK SHOWS THE EFFECT OF HOT WEATHER. -GASS-ER'S CARNATIONS. - MEMORIAL DAY. DROUGTH IS IMMINENT.

The stores are beginning to feel the effects of approaching summer in the form of slackening business. A few weddings have enlivened demand, although none of them have been very elaborate affairs. Two innerals of very prominent citizens occurring upon the same day, made business very brisk for nearly every one for that day. Some very large arrangements were to be seen at both obsequies. Approaching weddings and commencements will possibly stimulate matters for a while, and then everything will be off for the summer.

Roses and carnations show the effects of hot weather and are very small and poor, although the writer saw at J. M. Gasser's lately some carnations that would compare very favorably with the stock of early spring. His white Davbreak and Eldorado were particularly good. Outcast for red was very fair, although not up to the Inbilee standard. Mr. Gasser thinks very highly of Outcast, blooming, as it does, much more freely than Jubilee.

Chas. Erhardt, lately of Prospect street, has moved down on Euclid avenue.

Memorial day trade was pretty much as usual, nearly all the business being done by florists near the cemeteries. The down town establishments, as a rule, hardly knew in a business way that May 30 had arrived.

Stock of all kinds planted out of doors is beginning to suffer by reason of lack of On the light, sandy soils more especially growth is very nearly at a A. standstill.

#### Providence, R. I.

The monthly meeting of the Florists' and Gardeners' Club took place on the and Gardeners. Club took place on the evening of May 27. A pleasing feature of the evening was the presentation to Ex-president Farquhar Maerae of the gavel used by him during his term of office. The presentation speech was made by ex-President Canning. It was voted that at the next regular meeting, Friday, June 24, light refreshments should be served, the idea being that some attraction of this kind might increase the W. B. King attendance at the meeting. exhibited two seedling carnations.

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It is quickly and easily appiled, and I think will prove
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for the invention.
Very truly yours,
(\*W. WARD.

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Dear Sir.—Your wire stake
Is certainly a gem. Without hesitating we indorse it
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support. Yours truly,
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MR. THERON PARKER, Brooklyn, N. Y., Dear Sirttlyes me much pleasure to congratulate you upon your success in ketting up carnation supports. I think that those I have had from you are about as perfect as any-body will be able to unkethem. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am Yours truly, E. Aswits, at discount on parly orders.

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EXCELLENT BUSINESS MARKS THE FIRST WEEK OF THE MONTH OF THE SWEET GIRL GRADUATE.

Business has been much more satisfactory during the past week, than has been the case for some time. Roses, especially, were in good demand and choice stock sold out each day. The supply of carnations has been heavy, but there is no surplus. Sweet peas are offered in large quantities, average prices ruling, 25 cents per 100 being the current rate. Light colors are preferred. Our wholesale houses report a fair shipping trade. Com-mencements and June weddings are now in order and we expect to see the closing month of the season a good one all along H. SCHWARZ. the line.

ALVIN, TEXAS.-Hundreds of hands have been employed for two weeks past picking and packing Cape jasmine buds for shipment north. Although the crop was large it did not equal the demand.

LAKE GENEVA, Wis.-Herman Fisher, of the Lake Geneva Floral Company, has recently had some very fine displays in Hammersley's windows. Notable among them was a large flag wrought principally with carnations.

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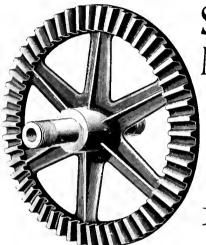
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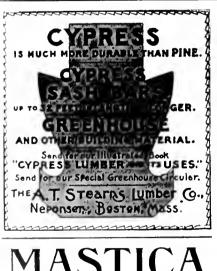
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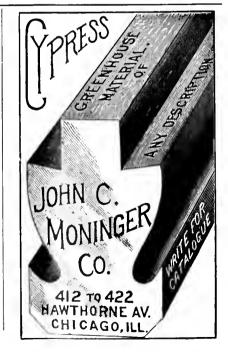
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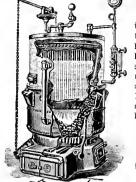


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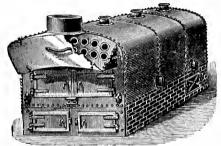
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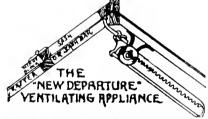
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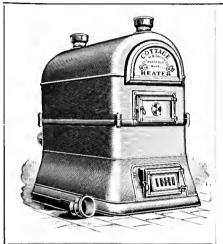
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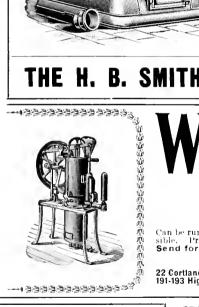
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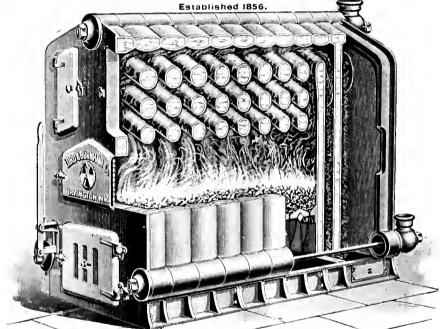
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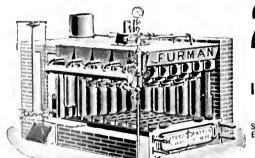
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#### A Correction.

The Asparagus Sprengerii advertisement of Messrs. A. Blanc & Co., of Philadelphia, in recent issues, should have read \$6.00 per 12 instead of \$6.00 to \$12.00.

Bulb Growing in the State of Washington.

The following report on the bulb industry and its prospects in Washington, by the party of Holland growers who recently visited that state on a tour of inspection, has been handed us for publication by Mr. A. Simon, of the Illinois Staats-Zeitung:

We arrived at Bellingham Bayon Tuesday, May 19, bearing letters of introduction from Andreas Simon, agricultural editor of the Illinois Staats Zeitung, a gentleman who has made several visits to Whatcom county and is quite familiar not only with the towns on Bellingham Bay, but with the adjacent agricultural districts, to Messrs. C. X. Larrabee, president of the Fairhaven Land Co., of Fairhaven, and C. L. Anderson, manager of the Bellingham Bay Improvement Co., of New Whatcom, and others. Our entire party being bulb growers in Holland, and having heard and read of hulb growing in the state of Washington, we came here for the purpose of looking over country and to judge of its possibilities for the production of Holland bulbs. On our arrival at Fairhaven we were shown that town and New Whatcom on Bellingham Bay, affording many fine views from the drives and streets overlooking this beautiful sheet of water. The first farm we visited was that of Mr. Hugh Eldridge located on the north side of the bay, about a mile west of the city of New Whatcom. We also visited the neighboring farm of Mr. John Bennett. Both farms are under a high state of cultivation, general farming and market gardening being carried on there. At Mr. Bennett's place we saw some excellent nareissi, lilies and general nursery stock, besides excellent plants of pæonies and dielytras.

On Friday the 20th, in the early morning, we left Fairhaven by the steamer 'Buckeye'' to pay a visit to Oreas island. The run to Orcas took us about six hours as the steamer touched at numerous post-offices and landings of minor importance on the route; but we enjoyed it so much that the time was passed before we knew it. About one o'clock we landed at Oreas, where we were to visit Mr. Geo. Gibbs, who has been engaged for four or five years at that place in the cultivation of Holland bulbs and choice shrubbery. Mr. Gibbs was not expecting us, but it was not difficult to find where he was, for everybody around there knew of him and the work he has been doing in bulb culture. Mr. Gibbs is pleasantly located on the southwest side of Oreas island, overlooking the waters of West Sound, a minor branch of Puget Sound. He has been located here for a number of years, but it is only recently that he took up experimenting with bulbs. Here we found quite a good many Holland bulbs, such as hyacinths, tulips, crocus, narcissi, lilies, etc. They were grown in a very rich, dark, sandy loam with a clay subsoil

Mr. Gibbs told us his tulips were not as good as they had been informer years, on account of his having used too strong a fertilizer this year. Of course, the time of flowering was past, as spring seems to be early on Oreas island; but we were astonished to see such fine plants grown in this part of the world by a man who has never been trained in bulb culture. The hyacinths looked healthy, as did the crocus and nareissi. Here we saw lilies and other plants growing stronger than we had ever seen them before in any country, and we mention especially the L. Wallichianum, L. candidum and L. Washingtonianum. The soil there seems to be very well adapted for raising Dielytra spectabilis, paonies, English iris and lily of the valley. We devoted some little time to looking over Mr. Gibbs' farm. and found that, in addition to the growing of bulbs and shrubs, he has a very choice young orchard, in which were growing all kinds of fruits, save those that can be produced only in the tropics. We have never, in our experience, found such a growth of fruit stock as at this point. We left the island at six o'clock in the evening, and took with us the impression that this beautiful spot is immensely rich and the climate excellent—all that is claimed for it by the residents of the island. The choicest strawberries were just ripening, and were sampled by our party

On Saturday, the 21st, we visited the land in the vicinity of Lake Padden, a mile and a half east of Fairhaven and the source of the water supply for that town. We found here a number of small farmers, all engaged in the cultivation of fruits and berries. The soil being a sandy loam, underlaid with elay in most instances, but in a few places we found sand at a considerable depth. One of the principal fruit farms at Lake Paddenis that of Mr. Baats. He is cultivating a tract of warm sandy soil, especially adapted for berries and small fruits, which for general marketing purposes could not be excelled. All the cultivated tracts of land in this vicinity show the best of care, and attention of the owners, and it was represented to us that the business of raising small fruits and vegetables for the market was quite remunerative.

On Saturday afternoon, through the courtesy of Mr. Anderson, of the Bellingham Bay Improvement Co., of New Whatcom, we went by rail to the town of Everson, located some sixteen miles

from New Whatcom on the line of the B. B. & B. C. R. R. We were met at that place by a Mr. Simpson, who kindly took us over his farm and other adjoining places, showing us the different kinds of soil, as well as growing crops. We found some very good sandy loam at this point, located in the valley of the Nooksack river, the lands being what are termed, locally, as "river bottom" lands, which in our judgement would make a very good soil for producing bulbs. It has a subsoil more like that found underlying the bulb growing lands of Holland than we found at any other point we inspected. Mr. Simpson, however, told us that these lands were quite low, and at certain seasons of the year, for short periods, the river overflowed its banks and submerged them unless protected by dikes, and that being the case, until some provision was made for these overflows, it would be dangerous to use them for bulb fields. The time allowed us at Everson was very short but still long enough for us to ascertain that most excellent farms can be had there, if the lands already cleared are brought under good cultivation.

The following day Mr. Canfield, of New Whatcom, took us for a drive to Lake Samish. The entire road from Fairhaven to Lake Samish lay through timber, much of which was the finest we ever saw; in fact, none of our party hadever seen such large specimens of cedar, fir, or spruce as was shown us on that trip. The entire drive is made up of magnificent views at every point. We also found in the woods hordering the drive a good many bulbs and roots growing wild, which are cultivated and considered valuable in Holland. Among those we may mention Solomon's seal, Spiræa Aruncus, fritillaria, etc. About the lake we found many acres of land, which, in our opinion, if in cultivation, would prove to be most excellent soil for gardening, fruit growing, and even for some kinds of bulbs. The low, flat lands along the lake have many of the characteristics of good bulb land, but the area under cultivation is limited.

On May 23 we visited the lands in what is known as the Old Fort Bellingham district, located on the north side of Bellingham Bay, about five miles from the cities of Fairhaven and New Whatcom, where many years ago was stationed a com-pany of United States regulars. A fort and stockade were creeted at this point for the protection of settlers from the Indians. This historic ground has been used now for a score of years for fruit growing and market gardening. land lays with a gentle slope to the south west and the soil is exceedingly fertile We paid special attention to the lands of 4) L. Tuck and A. Houser, which were thir san ples of all the lands in that neigh bordood The strong growth of both how and vegetables on these tracts ndicated that the soil is very warm and supered for early and fine vegetables. We found growing here a great variety of fruit, such as apples, pears, peaches, prunes etc., all of which were growing havirantly. As no bulbs had been grown here, it was bard for us to judge whether they could be produced here successfully rined. It would require a practical test fordemens trate that but we were favorable impressed with the soil in this local its, which consists of about one foot of and among consists or about one foot of sandy oam underlaid with coarse, yel-lowish sand being only about four feet above water. We found here many choice

plants of a fine-peer of camassia. In the after con we drove south from Lairhayen, to the town of Lakson in Shagar county, a distance of come thirtees miles, over one of the choicest gravel roads we have ever had the pleasure of driving upon. For the entire distance one has a beautiful view of the Sound and most magnificient scenery. Here is located in one body, a tract of several thousand acres, which for the most part has been reclaimed from the sea, and is protected from the salt as well as from the fresh water streams that pass through it by a system of dikes. The principal crops grown here are hay and oats. The soil is extremely strong and fertile, being of a variety of peat, the surface soil underlaid with a sand and clay formation. While this is one of the richest agricultural districts in the state, at the same time we hardly think it would be adapted for the growing of choice bulbs.

Our visit to Whatcom county was limited to five days, no part of which time was lost, as we were on the road constantly, when not partaking of refreshments or sleeping. We were in the vicinity of Bellingham Bay long chough, however, to get the impression that, in the near tuture, the cities on its shores will be the center of an exceedingly rich agricultural district. Manufacturing is carried on extensively here, and in addition to having ample railroad facilities, Bellingham Bay is one of the most perfect harbors that we have ever seen, and must be, in the near future, a very important shipping point. The lumber business has been the principal industry up to the present time, but many new establishments for the packing and shipping of fish are being creeted, and the water front presents a very lively appearance.

We are under obligations to the many persons whom we met on Bellingham Bay during our stay, and for the information given and attention shown us by them.

W. WARNAAR.

W. Warnaar, L. Van Leeuwen, Harman C. Baartman.

Mr. Simon adds: That these gentlemen evidently were unable to discover an ideal soil for hyacinth growing in the above named region is not to be wondered at, for it certainly seems impossible to make a through investigation of the different soils in Whatcom and the adjoining Skagit county within the short period of four and one-half days—this having been the duration of their sojourn.

#### Winter Forcing in the Open Field.

A bulletin of the Missouri Experiment Station describes a method of forcing asparagus in the open field which has proved very successful.

Ditches were dug between the rows in which 4-inch blocks were laid at the sides on which boards were placed, the ditches being then filled in. Through the passages thus formed steam was forced. As the bottom and sides were formed by earth only the steam readily found its way into the soil, moistening as well as heating it. About one foot of soil was placed over the crown of the plants and the whole covered with six inches of horse manure. The horse manure not only re-tains the heat but ferments quickly and adds to the heat from the steam. The asparagus was forced during December and January, the best results being during the coldest weather when the thermometer frequently went below zero. The stalks were cut as soon as they reached the surface of the soil and were very fine. It is claimed that one season's growth leaves the forced plants in perfect condition for a second forcing.

The expense was very small. For a plot 25x25 feet, which was run for fifty-eight days, the time of running the steam averaged seventeen minutes daily, and as there were six ditches the average was only three minutes daily for each ditch. The coal consumed, by careful measurement, amounted to \$1.82 in value. The temperature of the beds was not allowed to go much below 60°. This experiment would, if carefully carried out, be quite promising as to hastening the blooming period of hardy flowers and even shrubs. It is well known that spring bulbs, paconies, lilacs, etc., are no longer profitable to the average grower for the wholesale market, while if they could be hastened even a few days there would be a good demand with fair prices.



A PIONEERS HOME IN THE NORTHWEST

#### Herbaceous Plant Notes.

As the season advances we see new features in the herbaceous ground every day; by the end of May hundreds of species and varieties are out in full bloom; many of them, being very valuable for cut flowers, should be grown extensively by our florists. The large flowering aquilegias and some of the smaller free-flowering species are truly useful in many ways; they are elegant, unique and graceful. What flower can we compare with the delicate, slender spurred, blue and white A. corulea, or the deeper colored, shorter spurred, A. glandulosa and A. Olympica, with some of their hybrids? We have no other flower which approaches in any way the singular and elaborate construction or peculiar delicacy of coloring represented in almost all the aquilegias. Of course if we only grow the ordinary garden varieties of A. vulgaris or A. Sibirica, which are nearly all small flowered and often dull and uncertain in their coloring when grown from seed, and if we are not familiar with the graceful, large, open flowers of the other species, then the above description must appear as an exaggeration; but I have never seen a lover of flowers vet who would not stop a few moments at least before a bed of the rarer species, or even the selected varieties of the common columbines; they are always interesting.

The irises are very plentiful everywhere and all of them, even the inferior sorts, sell readily in the cut flower market; but it is good policy to grow only the very best. The pyrethrums have found their way into the cut flower market long ago, and the single forms in bright red and white are decided favorites; they are used often in preference to the doubles for parlor Hemerocallis flava, the lemoncolored day lily, has been used extensively for many years; it has been in bloom with us since the latter part of May, and as we have a good lot of it planted out we may be able to cut from them for a month to come. Lychins viscaria fl. pl. is a mass of dazzling color and attracts the eye from afar. Where a bright flower is wanted for any purpose this fills the bill in the month of June, and we cannot do without it. Having a stiff creet stem of good length and excellent lasting qualities, it is a capital thing for

vases. Æthionema grandiflorum is one of the daintiest cut flowers at this time of the year. The slender stems grow semi-erect and from ten to twelve inches long; they are closely set with small linear leaves and every one of the twigs terminates in an elegant flowerhead. It is little known and but seldom found in collections, probably only because some difficulty is experienced in its propagation, though cuttings of the half ripe wood root quite freely in midsummer and will make good, strong, blooming plants in less than two years; seedlings will produce a few flowers in their second year, but seed is rare and the young plants are very liable to damp off before they are large enough to handle; layering may be practiced successfully, but the layers should not be separated from the old plant until well rooted, which usually takes more than one year, unless the season and conditions are very lavorable for the formation of roots. It is with us perfectly hardy without protection, never freezes back, and when once planted will last forever apparently; we have a few very old plants which never were disturbed since first planted; each of these measures about eighteen inches across, a dense mass of delicate pink. A few plants on the half



GEO. WITTBOLD'S NEW STORE IN BUCKINGHAM PLACE, CHICAGO.

shady part in the rockery do not grow quite so compact as those in the open border; their growth is longer and thinner, but, rambling loosely over the rocks, the beauty of every individual flower on the plant is shown to advantage; and protected as they are here from the hottest sun, they last much longer in perfection.

Hormium Pyrenaicum is a low free growing plant which sends up numerous spikes well furnished with deep blue salvia-like flowers. Dark blue at this season is quite scarce among the cut flowers, and with us, at least, everything in this color is used up as tast as it comes out; the stems are about ten inches long and the spikes thickly set with showy flowers to their very tips. The foliage is short and broad, rather rough to the touch, but neat and evergreen; the habit is compact and clean; no dead or decaying leaves show beneath the younger growth; it is easily propagated by division in spring or fall and extremely hardy; light soil is best for it, though good results were obtained in a stiff but rather dry loam, while in wet places the plants are generally short lived. Another very useful blue flower is the ordinary Campanula glomerata, but when you want the deepest and brightest shade C. glomerata Dah-urica is the one to plant; it will not reproduce itself from seed and must be increased by division or from enttings. The stems grow up to a height almost of two feet on old, well established plants; the big, many flowered, close heads are really beautiful and remain in perfection for a long time; new flowers open out as the older ones fall off. The Cheddar pink, Dianthus casius, is freely used here as a cut flower and is very popular, principally perhaps because of its very decided and lasting clove perfume; the color is a soft shade of pink, the flowers not very large but well shaped with deeply fringed edges; no other of the whole family is so delightfully fragrant, though the flowers in many of the various species are superior to it in size and shape.

Helenium Hoopesii is one of the very best deep orange yellow flowers at the present time; it can be cut in long sprays and keeps well in water. After the doronicisms are gone this superior flower is ready to take their place. Thalictrum aquilegifolium produces long feathery plumes of handsome lilac, pale purple, pinkish or, though rarely, white flowers. It is an excellent keeper and comes handy for large vases and in all decorations.

#### J. B. KELLER.

#### A Model Chicago Establishment.

George Wittbold and his five sons grow palms and tropical plants under 32,000 feet of glass which covers Chicago realty worth \$125 a front foot. The Wittbolds grow most of their stock from seed, importing only such large palms as can be procured from Belgium at less expense than the cost of growing them on here for several years. The Kentias and other palms and maiden-hair ferns are grown remarkably well in a pot, which is one of Louis Wittbold's ideas. The pot is in reality two pots, one within the other, with a common drainage opening, the inner pot being about an inch the smaller. The space between the two walls of the pot is filled with water, the moisture percolating through the porous inner wall in just the quantity most conducive to the growth of these rapid selling plants. The Wittholds do an extensive wholesale business; they also retail cut flowers and enjoy a large trade in decorative work. They conduct two stores, that illustrated herewith being their principal establishment.

#### Carnations.

The season is practically over, and as cleanliness is an essential feature in good carnation culture, cleaning up should be done at once. A very good plan is to let the houses dry off thoroughly, then the old plants will be dry enough to burn as they are taken out instead of leaving them to rot and breed disease on the place. Burning is the only effective means of destroying many of the diseases the

carnation is heir too, and while these diseases are really not so terrible as they are sometimes represented to be, yet when we have the chance to burn them up it is advisable to do so. In cleaning up the houses make a thorough job of it; then close them up tight and burn a liberal quantity of sulphur in the house; this will kill all the fungus germs that may have been lodged around the wood work of the house, and if strong enough will clean up the red spider so that there will not be one left.

will not be one left.

As to changing the soil every season, that is a matter of opinion, or, perhaps. to state it more correctly, a matter of soil. I have used the same soil in a bench for five consecutive years, and by careful comparison found very little difference between the soil that had been in five years and that which had been put in fresh the same season. I prefer, however, to change the soil every third year, and if a variety is very rusty the soil in which that variety has been growing is changed each year. It is a good plan to put in the new soil now if you are changing and let it get thoroughly dry; this sweetens it and helps to kill some of the weed seeds it may contain. Let it dry until about August 1, when it should be well enriched with manure at least a year old and then watered, this will bring out the balance of the weeds and they can be kept down until August 15, by which time, if the weather is favorable, planting should begin.

In a former paper I wrote on the prevention and elimination of rust on a variety by potting the plants and growing them under glass during the summer. I have faithfully followed the instructions given in that paper, and to-day the variety on which I experimented is in the field practically free from rust and fine, strong, healthy looking plants; those in the house in pots, and some on benches, with extra good care and treatment, are covered with rust and not nearly so good otherwise. All this, too, in spite of the

fact that the season has been very unfavorable for field grown stock. The result of the experiment is that in the future I shall depend on good field-grown stock, and do that which I know from past experience and observation will bring me good results. It is all very well to write on the proper method of carnation culture and read the writings of others, but it is only by close observation of the carnation on your own place and giving it a lift where it needs one that paying results are to be expected.

It would be interesting to hear from some who make a success of growing carnations under glass all summer. A detailed statement of their methods of culture and the monthly cut from a given area beginning with October and closing in June, would give antiquated growers like myself some data to work upon. There are a hundred and one things to be done now in the shape of painting, looking after the glazing and the benches and heating apparatus, all of which should be spick and span for their rest over the summer season. By doing all these things now you will be free to attend the convention in Omaha and give a few days to the exposition without feeling that you ought to be at homegetting ready for the ALBERT M. HERR. winter.

#### Cercis Canadensis.

The judas tree or red bud, which illumines the woods in early spring with clouds of pink, is too well known to require any description here. It is one of our most beautiful native trees. It makes an effective companion to the white Cornus florida and shares with it the honor of standing at the head of the list of beautiful and showy trees for hillsides and horders of woods, and for general planting in parks and large estates. Several varieties bearing flowers of deeper pink than the type have been introduced from time to time, and a fine pendulous form is an especially valuable acquisition.



CERCIS CANADENSIS

#### Chrysanthemum Notes.

In growing chrysanthenums for the wholesale market it is well not to run on too many varieties. Better have more of a few varieties that you are familiar with, so as to be able to make good shipments of one variety or color, as they are mostly called for by the dozen; and again, when growing a good sized batch of one variety, they are much easier to treat, and the average of high grade blooms will be much larger than if one attempts to grow six or eight varieties in the same space. If a few plants are needed of several varieties that do not come up to the commercial standard, though they may be useful for exhibition or some other special purpose, plant them on a bench by themselves; they can then be treated separately. The mid-season varieties should now be planted as soon as the benches can be made ready for them. The success of the operation will to a large extent depend on firm planting and on the application of water sparingly for a few days until the plants have commenced to take hold of the soil.

The following varieties will bloom about the same time and are as near as possible of the same height: Major Bonnaffon, Ivory, pink and white, Mrs. Perrin, Geo. W. Childs, Defender and Mrs. Henry Robinson, after which comes Maud Dean, Mayflower, Viviand Morel, Charles Davis, Mrs. J. J. Glessner, Western King and Evangeline. Then we have Mrs. J. Jones, W. H. Lincoln and H. W. Reiman. Golden Wedding, Modesto, Mrs. S. T. Murdock and Eugene Dailledonze are tall growers and bloom about the same time.

C. W. Johnson.

#### Helpful Reminders.

It is now necessary to put everything in shape for summer. Start your best house with palms and the choicer plants; prepare a potting bench of soil carefully fertilized; pick out all the plants that need a shift; move them to the potting shed; clean them nicely and give each eareful attention; don't treat them all alike unless they really are alike; some want a larger pot; some are sour because drainage was poor; some arc so loosely potted that the waterruns through without wetting the whole ball, and have in consequence suffered for moisture and become infested with seale and mealy bug; some are in order except that the soil is poor and needs a little fertilizer. After you have them in shape do not return them to the greenhouse until it is cleaned up. Arrange one bench at a time; get as many pretty things in the house as you ean for summer show; large palms may be raised with ferns under them, or side benches of ferns, gloxinias, fancy caladiums, auratum lilies, anthericums, pandanus. Cissus discolor, alocasias, boudanus, Cissus discolor, alocasias, galuvilleas, ficuses, Grevilleas, bamboos, etc. Arrange the house so that each plant has the requisite amount of light and so that each plant will become more valuable every day; then take hold of your other houses.

Get all your common stock into one house, or two, as the case may be, have all of each variety together. Many plants unsalable to-day, if trimmed and reported, often sell or come in nicely for a decoration later on, and by having them in a small compass you can more easily care for many plants. One plant in particular requires this attention—the hydrangea. All inshapely plants should be put in the propagating bed. The growth that is formed from now on should hold over

for flowering next spring, and if wanted for Easter they cannot be repotted later than this.

Amaryllis are about done blooming, but don't neglect them. Keep the pots free from weeds; now is the time to build up for next season's bloom. Keep camellias well syringed and protected from burning sun, and take the same care of your azaleas.

After you have put everything in order take a wholesale price list and put the selling price on every plant. You will then have things adjusted for the coming season and your employees can sell correctly for you. You will also be in a position to estimate on what purchases are necessary for fall. Get as much of your next season's stock in early as you can. Any one who has not followed this line of management and will do so carefully will be surprised to learn how much more accurate calculations are and how many odds and ends are saved. A florist who needs five houses from October to May only needs three in July, August and September, and the remaining two would better be entirely empty. C. B. W.

#### Notes and Comments.

There are at least two ways to make use of sulphur in greenhouses. One is after we get a bad dose of mildew, and the other is before—as a preventive. I prefer the latter method. I am reminded, also, that there are different ways of applying this useful fungicide. Whoever applies sulphur for the first time invariably holds the delivery pipe of the bellows close down on the plants, with the result that the material is applied in streaks, which has a very careless look and is not so effective as if the operator held the nose of the machine somewhat "tip-tilted" or at a slight elevation, and in this way the atmosphere in the house is more uniformly filled and the flowers of sulphur more evenly distributed over the plants.

During the recent almost continuous rainy weather our sulphur became damp and would not distribute with any degree of satisfaction. C. A. Schmitt asked if air slacked lime would do any injury if mixed with the sulphur, the object being to bring about a possible drying process and consequent better distribution; and thinking it would not do any injury we agreed to the experiment. He proceeded to mix the lime and sulphur together in equal proportions in bulk, when he found that just as soon as the two substances came in contact a very perceptible heat was generated. It soon, however, passed away, and on referring the matter to Prof. Wm. Frear, of State College, Pennsylvania, he said: "I have never observed any chemical action between air slacked lime and flowers of sulphur. It is entirely possible that the reaction you observed and the brief heating was caused by the moisture, which taken in the flowers of sulphur in sufficient abundance to prevent its being easily distributed by the bellows was sufficient to further slack the caustic lime. This would account for the heating of a brief duration. In that case, the slacked lime would simply dilute the sulphur and would not prevent its action. I have carefully examined chemical literature and find no mention of any action of finely divided sulphur upon ordinary dry, air slacked lime without the intervention of heat.

The question is if it does no injury there is a possibility that it may do some good, as lime in any form, as I understand its qualifications, is a purifier; but whether it will aid or hinder the sulphur as a fungicide, I do not know. Prof. Frear inti-

mates that the combination can do no harm, and I believe if used as a preventive the mixture would be more economical to use, and it certainly aids in its more free distribution by having the two combined; this applies only, of course, when both separately and in combination they are kept thoroughly dry.

E. L.



Louis C. Elson.

Professor Louis C. Elson, of the New England Conservatory of Music, whose address before the New York Florists' Club on "Ladies' Night" is reported at length in the correspondence from the eastern metropolis, is very popular with the florists of New York, Boston and Philadelphia, most of whom enjoy his personal acquaintance. Prof. Elson, while making music a study, is a lover of flowers, and no man better fitted could have been selected as the speaker for so auspicious an occasion as the ladies' initial visit to the club.

#### New York.

"LADIES NIGHT" AT THE CLUB.—AN ENJOVABLE ENTERTAINMENT.—HOT WEATHER AND POOR STOCK.—ALL FLOWERS SELLING LOW.—BUSINESS VERY DULL.—A SUPERB CATTLEVA.—MANDA'S NEW ROSES.—THEO. LANG TO BE MARRIED.—A NEW FIRM.—C. W. KNIGHT.

"Ladies' night" at the New York Florists' Club was a conspicuous success. It was the first attempt of the club in this line, hence was regarded somewhat as an experiment, and results were so gratifying to the participants, and especially to the promoters, that "ladies' night" is likely to be an annual occurrence hereafter. Monday evening was the hottest of the scason, so far, and one of the most uncomfortable ever experienced in this city. No doubt the torrid weather kept many away who would otherwise have been present, but, as it was, the company outnumbered the hundred mark and fully one-half were of the fair sex.

The effect of Prof. Elson's genial manner and irresistible magnetism was apparent as soon as he began to speak and when, in illustration of the points alluded to, he sat down at the piano and sang song after song he captured every auditor and the applause was enthusiastic. The connection of flowers and music was his theme and he traced it back through the music and poetry of China, Egypt and Greece for thousands of centuries. He sang a Chinese flower song, which is said to be the oldest flower song known, and surprised and delighted everyone when he showed how the now popular "Star Spangled Banner" had come down directly from the music and floral metaphor of the ancient Greek song of the "Myrtle of Venus and Bacchus' vine." The har-vest and vintage songs of Biblical times, the floral language of England centuries ago, the Christmas carols and many

other illustrations were given to show how the two subjects, flowers and music, have intertwined in history, and that mankind has always been sensitive to this peculiar connection. Wordsworth, the lecturer said, was, above all, the flothe lecturer said, was, above an, the norists' poet, and he sang Wordsworth's lines, "A host of golden daffodils," to music composed by himself. "Thou'rt like unto a flower," he said, has been set to music more times than any other lines in the whole realm of poetry. The subject of the national flower, the harmony existing among those connected with floral trades, and other interesting points were touched upon, and a galaxy of songs in various languages ended this unique entertainment, after which cheers and a unanimous vote of thanks were accorded the speaker. Then came the ice cream and other delicacies which were appreciated fully, not only by the ladies, but by the sterner sex, who, after serving their guests, helped themselves generously. On the exhibition tables were blooms of a number of W. A. Manda's hybrid Wichuraiana roses and a group of caladiums from Mr. Imbert.

With the mercury in the 90's it may be said with truth that New York is fairly started on the summer season. A look at the thermometer, however, is not necessary for proof of this to any one who has the privilege or duty of visiting the wholesale cut flower establishments these June mornings. The lassitude that prevails in the individual seems to have spread over all business transactions as well, and not even the quiet logic of Johnnie Weir, the spontaneous ebullitions of Billy Bogart, or the unctuous volubility of the Honorable Michael Wiegand, who has recently taken to driving his own wagon daily to the city, are effectual in starting anything like a ripple on the summer becalmed surface of Twenty-

eighth street activity.

The early half of last week was fairly busy, but on Thursday, the 9th inst., the tumble eame, and it was no half-way tumble either. As to roses the most noticeable fact is, as a rule, their miserable quality. With mildew, faded color and wilted tissues, a large proportion of them are too poor to offer to any one, and it is high time their owners tossed them out, root and branch, and replanted the benches. Carnations are piled up all around; big fellows with two and threefoot stems, and no offer between 10 cents and 50 cents a hundred is refused by those having them in their possession. Sweet peas are beginning to come in from out-doors, and this is the death knell of the indoor crop, which can neither compare in quality nor compete in price with the garden grown crop. Lily of the valley is needed every day and a certain amount is easily disposed of for special occasions, but this does not mean that a larger stock than these particular calls demand can be floated, or that anything more than recent low quotations can be forced upon buyers. Lilies are abundant and of splendid quality, with sales fairly active but at absurdly low prices. Paonies are heaped high and values in quantity are away down, although a few dozen are easily disposed of daily at each establishment at rates that would make paronies good property if they would bring such figures throughout. Smilax has gone to the bottom of the ladder, along with everything else, sales being also very limited. Moss roses are fine this year.

In Bridgeman's window last week a superb plant of Cattleya gigas attracted much attention from passers by and also from expert visitors who recognized in it

a specimen the equal of which has rarely been seen in New York. Growing in a 7-inch basket, it carried seven leads, five of which bore five flowers each and two bore four flowers each, thirty-three blooms in all. The plant came from MacDonald & McManus, who have some more sensations of the same sort on the There would seem to be a good

profit in plants such as this.

W. A. Manda is justly elated over the splendid showing which his hybrid Wicharaiana roses are making. The plants now in bloom at his South Orange nursery are four-year-old seedlings, Wiehuraiana being in all cases the seed parent with Hoste, Perle and Meteor as pollen parents, and they are of tremendous size and covered with blooms. One of the Perle-Wichuraiana crosses bears handsome double flowers rich yellow in bud and nearly white when fully open, very large and very fragrant. All of these roses have proved to be evergreen. The great number of novelties in all classes of plants, hardy or otherwise, which Mr. Manda has to show makes his place very interesting to visitors.

Theo. J. Lang is to be married to Miss Etta Heintz on Tuesday, June 28. Miss Heintz has been clerk in Mr. Lang's Sixth

avenue store for some time.

C. B. Knickman will associate himself with his brother, J. D., and start in the retail flower trade at Brooklyn this summer under the name of Kniekman Bros.

Chas. W. Knight, recently gardener and superintendent of E. R. Ladew's place at Glen Cove, has been seriously ill for

several weeks.

The seventh annual fishing excursion of P. L. Bogart's employees will take place on July 14. The steamer Isabelle will be the favored craft.

#### Philadelphia.

OLD SOL POURS HIS SCORCHING RAYS UPON THE CITY OF BROTHERLY LOVE.-STOCKS AND THE MARKET .- HEACOCK'S PLANS AND METHODS.

Ninety degrees in the shade has been the noon-day heat mark with us for the past few days. This is disastrous to business and it had its effect on the stock. Brides and Maids being very small. Meteor stands the heat better. Beauties, on account of their size, are in demand, but are mostly very tight or full open. Prices are about the same as last week. Carnations are getting poor and most of the stock fit to sell in the stores goes for \$1 per 100. The fakirs get the balance at their own price. Outdoor grown sweet peas are now in and sell at from 25 cents to 40 cents per 100.

The storekeepers are doing but little these days. The June weddings are mostly over and what little demand there is comes from school commencements. Houses are closed all over the aristogratic district, for everybody of note is out of town and will probably not be heard from until next October.

Growers are not paying much attention to cut flowers at present and one house after another is being thrown out to make room for next season's stock. a hot job working at clearing and filling tables with soil in houses where the sun scorches with full power, with the ther mometer registering among the nineties in the shade. It is quite different, however, if a shade clothers drawn over the house from the outside, as is the custom at Joseph Heacock's, then, with the yentilators up and the doors open, it is like working under the trees. The clothis the cheap shading stock used in palm houses,

enough being sewed together to cover a house. No large place should be without a cover of this kind, as it makes such hot work an easy job. Mr. Heacock is plant-ing sixteen houses with roses, ten to be devoted to Beauties and the balance to Meteors, Brides and Maids. Meteors paid him the best the past season per table foot of space. A barrel with a force pump on top is used to syringe plants requiring an emulsion of insecticides. The apparatus is wheeled from house to house. A pipe fitted with a valve is attached to the flow and leads to the bottom of the barrel and when the valve is partially opened forces a portion of the liquid to the bottom and keeps the ingredients stirred up.

The John Lankford store on Thirteenth street has been purchased by Mrs. Schelly, of 60th and Pine streets, to be run as an

adjunct to her place.

#### Boston.

PARK IMPROVEMENT.—THE CRITICS HAVE ANOTHER SPASM. - BUSINESS QUIET. -PRETTY WEDDING DECORATION. DEATH OF EDWIN FAXON.-MR. FARQUHAR GOES

Substantial permanent improvement in Boston's parks and boulevards is being rapidly advanced. If Mr. l'ettigrew has a hobby it is "loam." His faith is rooted in loam—deep loam and plenty of it, and he has been buying it this spring wherever offered, thousands upon thousands of loads. We have had an impressive example of the results of the opposite policy which prevailed a few years ago in the condition of a large number of trees that have just been removed from the driveways of the Back Bay Fens, their places being filled with intelligently planted substitutes. The original trees have been struggling for life in saucer shaped beds of loam, three feet wide and about a foot in depth. Seven feet wide and three feet deep is the loam space being given the new trees by Mr. Pettigrew, and, in addition, a trench of equal width and depth, opposite each tree, is opened across and under the gravel sidewalk and filled with good soil. Had this been done at the start the roads would by this time be well shaded by rows of large vigorous growing trees instead of the spindly things—many of them tied up to stakes for support—which have now very properly been consigned to the brush heap.

But the removal of these evidences of past meapacity has furnished another opportunity for the meddling critics of the park department who are ever seeking publicity for their peculiar grievances through the columns of the daily papers, and a mighty protest has gone up against this tresh "vandalism." The stupidity of the original planters, as well as the unreasoning ignorance of the fault-finders of to-day, is illustrated in the fact that many of the "stately" trees that have been trying to exist for fourteen years on these high, dry, gravel roads in a few bucketsful of soil, were nothing more nor less than red swamp maples! A recent addition to the ranks of the grumblers is a gentleman who, unlike the others, is a professional landscape architect of considerable repute, whose arguments, however, are apparently lacking in sincerity and appear so ludicrously clamsy that at requires no great penetration to discern. an evident pui pose to propitiate a certain. class, with an eye to future business, by appearing to favor views at variance

ath the writer's own convictions. City trade goes on in a somewhat

sleepy way for the month of weddings and graduations. The demand for flowers is not as active as might be expected, and wholesale prices are very low all along the line. Country trade is proportion-ately better than local, and the wholesalers have been doing a fair amount of shipping to New England points, in small lots. Outdoor roses are beginning to appear here and there; the avalanche will be on next week if the present very summery weather should continue.

One of the most elaborate decorations of the season was that at Brookline, for the Fenns Shaw wedding. Evergreen boughs, rhododendrons, snowballs, together with an abundance of the choicer greenhouse product, were lavishly used in the adornment of the church which was elegantly done by Wm. E. Doyle.

Edwin Faxon, an eminent botanist and member of the Massachusetts Horticultural Society, residing at Jamaica Plain, died at West Burke, Va., on June 12, aged 74

J. K. M. L. Farquhar started across the continent on Saturday, June 10, en route for Japan, and will not return till October. Mr. Farquhar may visit China also, and possibly Manila.

#### Baltimore.

OUTDOOR STOCK PLENTIFUL.—HUGE HEAPS OF BLOOM BUT LITTLE THAT IS REALLY FIRST CLASS.—COGITATIONS ON TRADE CONDITIONS.-I. II. MOSS TALKS ON OUT-DOOR ROSES.

A half day's rain has ended what threatened to be quite a serious drought, and everything is freshened up and vigorous again. Outdoor flowers are very, very plentiful, and a glance into the piled and heaped up storage rooms of the exchange is calculated to make the beholder wonder how it can pay the producer to grow and gather such quantities of bloom, which in the main must waste, and whether the time will ever come when the florist business ceases to be an endless succession of gluts and famines?

With all the over-production there is manifest the fact that strictly choice flowers are scarce. To be sure the standard of excellence is advancing continually and what would have been considered a fine bloom within the memory of middleaged florists, would hardly sell at any price now, but the standard is not too high yet to be reached by some growers and those who cannot get within pretty close reach of it had better step down and out and devote their time to growing something they can do well. After all, though, it would be hard for a man who had failed to produce perfect material, through some accident or misfortune to throw away the second class result of his efforts, and it is possible that much, if not most, of the inferior grades which make up the over supply are due rather to bad luck than incapacity.

At the club meeting I II. Moss read a paper on outdoor or bedding roses. He named Mannan Cochet, pink and white; Safrano, Hermosa, Jacqueminot, Kaiserin, Papa Gontier, Clothilde Soupert, Queen's Searlet, La France, Meteor and Souvenir de Malmaison as desirable varieties. An exhibit of cut roses by J. L. Wagner attracted much attention. Mack. attracted much attention.

KANKAKIE, 111.S.-When A. H. Burt returned to his greenhouses a day or two ago he found that a neighbor's pig had rooted through the beds until the whole interior looked like a Spanish fort after a bombardment. Burt quickly converted the pig to pork.

## The American Florist

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WE are in receipt of some excellent samples of paony blooms from P. S. Peterson & Son, of the Rose Hill Nursery, Chicago. The eight acres of these plants grown by Messrs. Peterson in 300 varieties will be at their best during the next two weeks, and those interested are cordially invited to view them any day except Sunday.

#### Grafting Tomatoes on Potatoes.

In a paper read before the Royal Horticultural Society of England, Mr. Neild describes some successful graftings both of tomato on potato and vice versa. The tomatoes on the potato produced a good crop of fruit. It was noted that the potato tubers, however, produced roots where ordinarily eyes are formed. The potatoes grafted on tomato stocks did not grow so freely and produced small green tubers in the axils of the leaves.

#### The Yellow Rambler Rose.

Am. Florist:-In your issue of En. April 15 I notice the comments of your correspondent "K" on Aglaia, the Yellow Rambler rose. As the originator and in-Nampler rose. As the originator and introducer of this variety, permit me to state that only strong three-year-old plants give the best results. The stock generally distributed is still too young to permit of a correct estimate by even the most competent grower, but the parent plants in our nurseries prove every year that this rose is truly a fitting companion to the Crimson Rambler, and I am convinced that "K." will modify his opinion with another year's experience.
Trier, Germany. Peter Lambert.

#### Fertilizer Cartridges.

An ingenuous Frenchman, M. Georges Truffant, has prepared and placed on the market a very novel method of applying fertilizers to pot plants. The fertilizer is compressed into cartridge shape and covered with a metallic case, except the bottom, which is not covered. Presumably the fertilizer is in a slowly soluble form. In use the cartridge is pressed into the soil and the fertilizer gradually dis-solved by the watering and carried to the roots of the plants.

So far the invention would seem to be. like jadoo, a pleasing and harmless thing enough; but M. Truffaut puts forth some remarkable claims for it. By repeated chemical plant analyses he has succeeded, so he says, in finding the exact fertilizer requirements of a large number of plants and is prepared to furnish cartridges war-ranted "to just fill the bill" if you will only give him the name of the plant. For instance, the formula for Asparagus tenuissimus is nitrogen, 13.4%; phosphoric acid, 8%; and potash 5.8%, while for pelargoniums it is 8.6% nitrogen, 8.6% phosphoric acid and 8% potash, and so on through a long list. No doubt M. Truffaut's cartridges are very good in their way, but we are compelled to smile audibly at his long list of special formulas.

All of these "horticulture made easy" inventions, remind us of the small boy with the pin hook and the hickory pole and how often his string of trout out-weighs that of the dude with the fancy outfit. The moral of this is that the "know how" counts for a great deal more than the "where with."

#### Cut Flower Price Lists Received.

Cincinnati Cut Flower Co., Cincinnati; St. Louis Cut Flower Co., St. Louis; Holton & Hunkel Co., Milwaukee; Louisville Florists' Supply and Exchange, Louisville; Bassett & Washburn, Chicago; City Hall Cut Flower Market, Boston; Wm. F. Kasting, Buffalo.

#### Catalogues Received.

P. S. Peterson & Co., Chicago, Ills., pæonies; II. Henkel, Darmstadt, Germany, seeds and plants; Fairmount Chemical Laboratory, Philadelphia, Pa., weed killer; Pierce, Butler & Pierce Manufacturing Co., Syracuse, N. Y., boilers and radiators; Hubert & Company, Ltd., Guernsey, England, plants; James Vick's Sons, Rochester, N. Y., bulbs.

#### Greenhouse Building.

West Chester, Pa.-Max Meyer, range of commercial houses.

Ashtabula, O. - Roger Griswold, Jr., starts in business with one large house.

Topeka, Kan.—Jas. Hays, violet house 8x40. Mary Wallace, greenhouse 18x50. Chicago, Ills.-Albert Fuchs, four greenhouses, one 25x160, two 25x90 and one 18x90 and 27 feet high, all for palms and decorative plants.

#### Society of American Florists.

CANNA NOMENCLATURE.

It having been ascertained by the Conard & Jones Co. that A. Blanc & Co. had forestalled them in selecting the name of "Admiral Dewey" for a new cauna, the Conard & Jones Co. have courteonsly requested the withdrawal of the announcement recently made in these columns of registration of a new canna to be intro-duced by them under the name of "Admiral Dewey.

No doubt the present war will furnish a few more heroes from among whom cama introducers may select available and popular names. It would be very pleasant to be able to record the adjustment of all similar controversies over plant nomenclature in as amicable a manner as this little question between A. Blanc & Co. and the Conard & Jones Co. has been settled.

WM. J. STEWART, Sec'y.

#### Cemetery Bedding Plants.

The superintendent of one of the Chicago cemeteries says that of echeveria and alternanthera there are not more than one quarter as much used as there was four or five years ago, and their use is less every year. The semi-double Bruant every year. The semi-double Bruant geraniums have almost entirely taken the place of single geraniums and superseded many of the old double favorites. Beaute Poitevine is easily first among colored geraniums. Mme. Aimela Chevraliere is better than the much grown La Favorite in double whites. Athlete is the only single that people enthuse over. Fuchsias are little used. Crimson Rambler sells like hot cakes if in bloom. Soupert is well liked, as is also pink Soupert. Mme. Caroline Testout is a fine outdoor rose. It grows and winters like a vigorous hybrid perpetual. Perhaps Garrett will be another one. Salleroi is the only variegated geranium for which there is much call. A dwarf marguerite which would stay dwarf would be a boon and a blessing. The lady with the long shawl and a penchant for annexing other people's plants is, as usual, much in evidence.

#### Twine for Greenhouse Use.

It will soon be time for tying chrysanthemums and the question of twine, although not a matter of very large expense, is like all other small things worth considering.

For many years we used white cotton

twine for tying purposes whenever raffia was not suitable but of late we have used a one-ply jute twine and for cheapness and convenience find it the best. Its cost is about 9 cents a pound and at a guess we say one pound is equal in length to ten balls of the white cotton. In fact it is so cheap and convenient that we now use but little raffia. When the plants are tied to vertical strings instead of stakes 3 or 4-ply jute twine will just fill the bill and costs only 5 to 6 cents per pound.

Another little point the neglect of which causes loss of material and waste of time, is starting to use the string from the inside of the ball. The most natural way to most workmen is to loosen the outside end and let the ballroll in the path. This results in tangles and snarls, especially when the ballis nearly used up. If started on the inside the ball will lie where it is put and the string will pull out readily until there is nothing but a thin layer of

#### Propagation of Clematis Paniculata.

Ed. Am. Florist:-You will oblige by be propagated from cuttings, and if so what time of the year is best for the operation.

Subscriber. stating whether clematis paniculata can

Clematis paniculata is so easily and cheaply raised from seed that nobody will now attempt to go to the trouble and grow them in any other way, though a number of years ago, when seed was scarce and rather high priced, propagation by cuttings was practiced in many quarters with variable success. The most satisfactory results were obtained by summer propagation in sash frames running east and west, shaded with canvas stretched permanently over a lattice frame a toot or so above the sash on the south side, slanting up to a height of about four feet on the north side of the frame. About a foot of fresh horse manure is tramped in the bottom of the bed, covered with three or four inches of sharp, clean sand, which is then well firmed and thoroughly watered. The thinner and weaker young green wood is cut up into suitable lengths for the cuttings, few of the stronger sappy shoots showing any inclination to root. or in real hot weather, twice a day the cuttings receive a slight syringing over-head and the frame is kept close and tight for three or four weeks; then a crack of air is left on each sash, overnight only at first then for an hour longer, until by degrees the plants are accustomed to a little fresh air all day. Later on the sash are removed, and in a few days the young plants can be potted off, placed in the same kind of a frame and kept close

again for a short time. Strict attention and vigilance is required; to neglect them once brings disaster. It is beneficial to to the cuttings, when first inserted, to shade them additionally by shutters or lath shades placed over the canvas frame during the hottest part of the day. A week or ten days after insertion the extra shade may be dispensed with.

#### Paris.

The great horticultural spring exhibition, which for the last few years has been held under great tents in the Tuileries Garden, opened its doors to the publie on the afternoon of May 18, after the President of the republic and ministers had paid it a visit in the morning of the same day. This exhibition is to the floral world what our annual "Salon" is to the painters and art amateurs. It is reputed to contain what is newest and what is thought most worthy to be brought before the public interested in horticult-The exhibitors know that the most fashionable and select people will not fail to visit the show, and this explains the fact that so many florists, who otherwise seldom take part in exhibitions, send in their products.

The leading tent, about 300 feet long and 100 feet wide, in which are usually shown the finest specimens of rhododendrons, azaleas, palms, orchids and rare flowers, was this season too small to contain all the marvels of horticulture, and had to be enlarged. Unfortunately the unseasonable wet weather which pre-vailed during the whole month of May had no pity for the brilliant dresses of the ladies, which always seem to challenge the dazzling hues of the flowers on the On that day the lady opening day tailors might easily find out what was best suited to the "blondes and brunes," and their visit to the exhibition cannot fail to inspire them in regard to fashions. The tent referred to with its many beds of plants coming from the different parts of the world was a real Eden, and this impression was rendered still more fairylike by the establishment on the farther end of the tent of a most picturesque grotto, through which ran a streamlet winding its course around the flower beds.

Entering the tent, we gazed upon a bed of zonal pelargoniums, exhibited by Mr. Poirier, who secured a gold medal for it, and close by we found a still more dazzling bed of the same plants raised by Mr. Nonin, who won with it a medal of honor Both beds included plants with very large trusses and such a brilliancy of color that it is difficult to look at them for some time without tiring the eyes. Among the finest sorts may be mentioned: Paul Crampel, of the most hery redcolor which can be imagined, L. Behrens, Detaille, Mrs. Crozy, brilliant red; Mrs. French, Dr. Bonneloy, Mrs. A. Poirier, Jeanne Flenry, Pink Domino rose, Jeanne Hardy, Mr. Viard, Mrs. Chase, Countess of Pot salmon, Van Dacheream colored, La Lot rame, purplish red, Carmen Sylva, white, etc. The plants were shown in stripes and parallelograms made of one color instead of mixing all the colors, and the effect was vs corderful.

On the right and left of Mr. Poirier's hed Messis Vilmorin & Co-showed two groups of annuals ard he annuals usually mercased by seeds, which in regard to variety of form and color effected one of the greatest attractions. People who admired the beds did not realize the amount of skill and attention that is necessary to bring such a number of plants, including nearly their whole attalogue, into ful-

flower at a given date. The groups comprised such novelties as Nastur-tium Chameleon, Nemesia strumosa grandiflora, Gilia multicaule, Papaver orientale, Celsia betonicæfolia, For the annual and biennial flowers and its rich collection of vegetables this concern was awarded a medal of honor. A little farther along we came upon some fine beds of double cinerarias, calceolarias, gloxinias, achimenes and streptocarpus, the latter plant showing a decided improvement as regards size and color. There were also exhibited various carnations, including the big variety Le Colosse, of which I have spoken in a former letter; single mammoth begonias, the bright scarlet Begonia Lafayette, Hydrangea paniculata, some specimens of which were trained like roses on stems six feet high; paronies, clematis, cannas, caladiums, crotons, anthuriums and magnificent orchids.

Moser, of Versailles, well deserved the grand prize, given by the President of the republic, for his lot of Rhododendron ponticum and azaleas, and Croux had a display of the same plants, which was not much less creditable. For those interested in rhododendrons, we may mention the following attractive sorts: Alarm, white center bordered eherry red; Comte Adrien de Germiny, large truss of dark lilae; Dhuleep Sing, distinct dark earmine; Everestianum, pale lilac rose, dark spotted, Geranioides, sweet pink, black spotted; Isaac Davies, distinct copper red; John Walter, splendid crimson; Mine, Carvallio, fine white bouquet; Magnifi-cum, bluish lilae; Old Port, purplish lilae; Purity, creamy white. Simon, the cactus king, carried off a first prize with his large collection of phyllocacti, among which his two new kinds, Etincelant and Aurore Boreale, were particularly attractive. On the rockery by the grotto Mr. Vilmorin staged a collection, quite unique, of alpines which he has collected during his many travels in Switzerland, the Alps and Pyrenees, or procured in various other parts of the world. On the left side of the grotto was another most interesting collection of alpines, owned by Mr. Magne; they offered a delightful field for the botanist, who without taking the trouble of making long, tiresome trips, could contemplate the plants found on the lighest mountains. Perhaps the most interesting plant of these groups was the little rhododendron, a native of the Alps, which gave rise to the huge plants exhibited opposite. Owing to the watery vapor which filled the atmosphere near the little cascade and fell in pearly particles upon the plants, these alpines kept as fresh as in their native haunts. It is a pity these plants are not more grown by people who can afford to have rock-

From the grotto two stairways led right and left to the floral decorations. I am sorry I cannot send you a photograph of the most creditable arrangements, asit is difficult to give a description of them. The first prize went to Mr. Debrie, of the old firm of Lachaume, for some capital Among the most charming bouquets was one made up of white lilae, wises and Asparagus Sprengerii. Another was composed of white and blue elematis, use hydrangeas, white lilac, a truss of dmia, some lilies of the valley andericas \* in adiantum and pteris. Authoriums · tup with good sprays of adiantum and catagus, were very showy. For dining table decorations orchids were mostly ad, each person having a small bouquet car his plate.

I'mm as attracted a good deal of atten-

tion with a duplicate of the floral decorations which had been prepared last year for the reception of our President by the Czar and Czarina. The groundwork consisted of big La France roses set up in a basket having large handles or arches trimmed with very small pompon miniature roses and myosotis. Some conspicuous arrangements were also made with big Black Hamburgh grapes intermixed with flowers and greenery. Other appropriate vase furnishing was secured with white lilac, white lilies, white arums, white gladioli and some adiantum and pteris leaves. Two interesting contests took place in the exhibition, one among professional florists and the other between amateurs. The dexterity and rapidity with which both classes composed the most informal, artistic and effective bouquets was wonderful. Among the ama-teur winners were: Miss de Germiny, Countess de Waldener, Countess Etienne d'Orves, Baroness de Bourgoing and Miss Th. de Vilmorin.

In the contest for plants recently introduced into Europe, Mr. Sander received a silver gilt medal for his Acalypha Sanderi, which attracted so much attention at Ghent. It is a very curious plant, with long, drooping flower spikes of a bright rose-madder color. A silver medal was awarded to the introducer of the Cattleya speciosa nivea, and thanks were voted to the exhibitor of Zygopetalum Tenenardi and Phaius Colsoni Other rare plants exhibited were Salvia Alfred Ragueneau, in flower, though only a few inches high, and of a fine scarlet color; Begonia Alb. Crousse, a mammoth double rose variety: Cypripedium Lathamianum, a hybrid of C. Spicerianum and C. villosum; Agave Vandervinneri; a hybrid of A. Verschaffeltii, with a flower spike over 10 feet high; Lælia-Cattleya purpurata Roezli, Gardenia Fortunei, Heliconia illustris rubricaulis, etc.

An innovation, which met with a good deal of favor was the establishment in one of the tents of an art gallery where the public could admire some pictures of our best flower and fruit painters, such as Kreyder, Thurner, Mme. Lemaire, Lonise Ahbema, Bourgogne, Cesbron, Grivolas, Allouard, Cornellier, etc. Parisian.

#### Chicago.

CHEAU FLOWERS AND CHEAU SALES PREDOMINATE. — WHOLESALERS — REPORT SHIPPING TRADE AS EXCELLENT. — VAUGHAN, M'RELLAR & WINTERSON'S BURGLAR.—DEATH OF MRS. J. W. POEHLMAN.—NOTES.

Local retail trade is comparatively quiet, a large proportion of all the flowers retailed in Chicago at present being sold in the department stores or by the street fakirs, and the prices they receive do not average enough to pay the grower for picking the flowers and sending them to market. Pausies have been sold on the streets in bunches of a dozen at 1 cent a bunch. Carnations, two dozen in a bunch, self for 5 cents; roses and pronies bring 10 cents per dozen, and other flowers are proportionately low priced. At such prices where does the grower come in? The wholesaler gets his 15% commission and the takir evidently makes a profit.

The wholesalers report business for the first half of June fully up to the average. Prices have been lower, but a much larger stock has been disposed of. The shipping trade has been good, especially on first-class roses and carnations. There has been fully 23% more flowers shipped this season than ever before and good stock suitable for shipping, particularly of

roses and carnations, is very scarce. Really good roses of any kind are not in market in any quantity. A week ago there was an abundance of stock of all kinds, much of it going to waste. The demand has gradually increased and at present all stock, except paonies, which are now in the height of their season, is disposed of every day. Vaughan, McKellar & Winterson's

store was burglarized Friday night, [une 10. Postage stamps, pocket knives and other things were taken to the value of about \$10. An attempt was made to blow open the safe, but Mr. Winterson, who happened to call at the store late that night, discovered the burglars and

frightened them away.

John Ure has been ill with the grippe for several weeks at the home of his son

in Rogers Park.

Wietor Brothers have succeeded to the business of the Rogers Park Floral Co. The change is in name only, as the Wietor Brothers have been for some time the only members of the firm.

Frederica Poehlman, wife of John W. Poehlman, died June 12. She left two small children, the oldest about three and a half years of age. Mr. Poehlman has the sympathy of many friends.

In the club bowling contest, June 10, E. F. Winterson made the highest score, 194, but J. S. Wilson's average of 155 was one point better than Mr. Winter-

son's.

The Gardeners' Friendly Club held its first meeting at Hull House June 13 and discussed the raising of vegetables. M. Harper read a paper on "How to Plant Seeds." The club is cultivating a farm on the Pingree plan.

Among the week's visitors was John C. Chase, representing Benj. Chase, of Derry, N. H., manufacturer of plant stakes

J. T. A.

and wood labels.

#### Cincinnati.

TRADE CONDITIONS SPEAK OF THE ADVENT OF SUMMER.-THE CINCINNATI CUT FLOWER COMPANY SUCCEEDS THE H. L. SUNDERBRUCH COMPANY.—TWO POPULAR TRADESMEN.

The lassitude of the market speaks eloquently of the advent of summer. Social activity is at an end and the only business now in sight is an occasional commencement or June wedding. Stock is not of first-class quality, a condition which probably prevails to a more or less general extent throughout the country.

The event of the week has been the

announcement of the succession of W. A. Mann and F. W. Ball to the business of the H. L. Sunderbruch Company, which they will continue under the title of the Cincinnati Cut Flower Co. When Harry L. Sunderbruch established this popular wholesale house, over ten years ago, he took Frank Ball from the retail store and made him shipping clerk. He has been identified with the concern ever since. Mr. Mann has been the accountant for more than six years and is therefore well up in the business. After the death of H. L. Sunderbruch his brother, Albert, supplied the capital to carry on the establishment under the management of Messrs. Mann and Ball. Mr. Sunder-bruch now withdraws in their favor. Both gentlemen are widely known and are deservedly popular. They have always handled the cream of the trade and the best stock in this market and the success which has attended their efforts speaks for their ability. The Cincinnati Cut Flower Company undoubtedly has a prosperous future before it.

11. Schwarz.

#### St. Louis.

SATISFACTORY TRADE IN THE MISSOURI METROPOLIS.—STOCK POOR AND PRICES LOW.—THE FLORISTS' CLUB WILL PIC-NIC.

Trade during the past week has held up very well considering the increasing warm weather; school commencements and graduating exercises have made the principal call for stock. Good blooms continue scarce, except in sweet peas, which have been in large over-supply, selling at from \$1 to \$2.50 per thousand. Lots of good stock changed hands at \$1 per thousand, and quantities must have been moved at a lower figure, the street men selling at 5 cents per bunch.

Carnations have also been received in quantities, showing, however, the effects of the warm weather. The price ranged from \$5 to \$10 per thousand. Quite a lot of smilax has been called for, selling from of smilax has been called for, selling from 10 cents to 15 cents per string. Roses have been in abundant supply, but of poor quality. The only scarcity has been in American Beauties, they sell readily at from \$1 to \$2 per dozen. Candidum liles have been in short supply, and have been cleaned up as fast as they have been received, at from 8 cents to 10 cents per stalk. Quite a number of bedding plants seem to be left on hand from spring sales, and as the planting out season is about over it will probably be a loss to the growers. We hear of one enterprising man who expects to hold an auction to get rid of his surplus.

The last meeting of the Florists' Club was rather slimly attended and very little except routine business was transacted. A committee was appointed to make arrangements for our annual picnic. The grounds at Belleville and Croeve Coeur Lake are under consideration with the chances of selection in favor of the latter.

R. F. T.

#### Watertown, N.Y.

In as much as the time honored Begonia Rex has for some reason or other been relegated to a back seat, if not entirely discarded, by the commercial florists, it may be of interest to note that Greene & Underhill have the finest collection of these plants I have yet seen, there being over sixty distinct varieties. The collection of Begonia Rex has been a sort of hobby with Mr. Greene for the past few years, but unlike most hobbies, it has paid well. Besides wholesaling, they find a ready demand for these plants in the local market.

Spring business here was in no way disappointing, the sale of plants being tully

up to expectation.

Greene & Underhill contemplate equipping a modern flower store and conservatory in the business center, but will retain their old stand.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year ISS is entitled to a five-line want adv. free to be used at any time during the year.

OUTLIATION WANTED-With reliable firm, by experienced florist, married. First c ass credentials, medium saisty. ROSES. care Am. Florist.

CITUATION WANTED—Englishman: age 28; mar-S ried: no children: as foreman in good private or commercial place; 15 years' experience; first-class references. Address II A, care American Florist,

SITUATION WANTED—By successful rose grower, by who divoted all his lifetime especially to rose culture; competent to take entire charge commercial place. To sultable parties the greatest satisfaction assured.

PRACTICAL ROSE GROWER.

2 Peorla St., Chicago.

SITUATION WANTED — August lat by an all-round gardener, private or commercial picce; car-nations and mums a specialty. Can make any re-pairs pertaining to greenhouses, steam fitting, etc. Five years in last position; age 30. Address 8 D. care American Florist.

SITUATION WANTED—By young single mao, gen-eral commercial place, 8 years, experience in all bratches, but mostly roses, carnations, violets and mums Best of references. Address, stating wages and particulars. Loyd II Wilkinson, 302 North Milwaukee St. Jackson, Mich.

SITUATION WANTED—By thorough, practical gardener and florist, private or commercial: open for engag ment July 1st; 25 years' experience with r ses, carnations, violets, mums pa ms, bulbs and landscaping; age 38, married no children. State wages, please Address Gardener, Forest Home, Ithaca, N. Y.

WANTED AT ONCE-An all-roard good florist; single; \$20 per month with hoard S. W. PIKE, 129 W South St., Akron, O.

WANTED-An assistant grower to take charge when necessary. State experience and wages expected. Address W K care Am. Floriet.

WANTED-Steady, single man to take care of section of rose houses. Call in person ready for work REINBERG BROS. 51 Wabash Ave., Chicago.

WANTED-One or more expedienced travelers in wholesale seed trade. Address, giving experience on road and territory you wish to work.

L. MAYA (O.S. Paul, Minn.

WANTED-A competent florist and gardener, as partner; have two places. Very little money required to take half interest in either one or both places. For further loformation address B.B. care American Florist.

WANTED—An experienced propagator and plants man. One accustomed to hard and soft wooded plants, where a great many are grown for a catalogue trade; must be a histler; no dricking man winted. Apply with references to JAMES SOUDEN Foreman for L. L. May & Co., St. Paul, Minn.

FOR SALE—10 000 feet 4-inch hot water pipe, two hot water boilers—almost new, and 50 000 square feet of glass. Call on or address. DANIEL BRANCH.
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TO RENT-Greenhouse 20x50, well stocked, large two-story potting house, new, in Newark, N. J. Address
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Florist establishment of over 10.000 aguare feet of glass; splendid situation, 8 lots 35 ft. troot; water, gas and electric light on street; greenhouses, office and baro all newly built with all conveniences; heated by steam Centraly located in city of 18.100 populstion in State of Indiana. Competition come to speak of Leading establishment in the city. Sickness cause of selling. Address Indiana, care American Florist.

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WIRE DESIGNS: A Full Line. Write us for our lilustrated Catalogue.

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| CHICAGO, June 17.             |             |
|-------------------------------|-------------|
| Roses, Beautiesper doz, .75@2 | .50         |
| " Brides                      | 1.00@ 4.00  |
| " Meteors, Kalserins          | 1.00@ 4.00  |
| " Bridesmalds                 |             |
| " Gontiers, Perles            |             |
| Carnations, common            | 40@ 1 00    |
| " fancy                       | 2,00@ 3.00  |
| Marguerites                   |             |
| Llly Oratum                   |             |
| Harristl, Callas              | 2,00@ 4 00  |
| Lilly of the valley           | 1.50@ 4.00  |
| Sweet peas                    | 25@ .50     |
| Gladioli                      | 4.00@s 6.00 |
| Adinntum                      | 50@ 1.00    |
| Smllax                        | 10.00@12.00 |
| Asparagus                     | 40.00@75.00 |
| Pansles                       | 50          |
| Pæontes per dozen25@          | . 50        |
|                               |             |



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|-----------------------------------------|
| Roses, Beautles, Hybrid 2.00@16 00      |
| " Bridesmaids, Testouts, Brides50@ 3 00 |
| " Morgans, Meteors                      |
| Carnations                              |
| Lily of the valley 1.00@ 3.00           |
| Sweet peas, per 100 bunches 1.00@1.50   |
| llarrisll 3 00@ 4.00                    |
| Smilax 8 00@10 00                       |
| Asparagus                               |
| Cattleyas 40.00@50 00                   |
| Pæonies                                 |
| BOSTON, June 15.                        |
| Poses Position 5 Month M                |

| 1100.2 |                                                                 |
|--------|-----------------------------------------------------------------|
| UU (G) | 4.00                                                            |
| 00@    | 5.00                                                            |
| 2570   | 1 00                                                            |
| 000    | 3.00                                                            |
| 50kg   | 1 00                                                            |
| 00a    | 5 00                                                            |
| 10@s   | . 20                                                            |
| 00@ 1  | 15.00                                                           |
|        | 25 <b>%</b><br>60 <b>&amp;</b><br>50<br>6<br>00<br>8<br>10<br>8 |

PHILADELPHIA, June 15.

| Roses, Beauties    | 1.00@20.00    |
|--------------------|---------------|
| " Jacqs            | 1.00@ 3 00    |
| " Teas             | 2.00@ 6.00    |
| Carnations         | 1.00          |
| Pæonies            |               |
| Lily of the valley | 2 00@ 4.00    |
| Harrisii           | 4.00@ 6 00    |
| Sweet peas         | .35@ .75      |
| Cattlevas.         | 35.00 a 50.00 |
| Smilax             | 15.00@20.00   |

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Roses shipped to all points. Price list on application.

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FRANK MILLANG,

WHOLESALE COMMISSION,

408 E. 34th Street,

C + Flower Exchange.

NEW YORK.

#### Pelargoniums.

ED. AM. FLORIST:-Will some one kindly give, through the columns of the AMERI-CAN FLORIST, the best directions for growing and propagating pelargoniums, and names of the best varieties? M. W. W.

The best time to propagate pelargoniums, that are wanted to make nice salable plants in 5 or 6-inch pots the following spring, is the latter part of August or early September. Choose well ripened wood and insert the cuttings singly in 2-inch pots; place in well ventilated house where they will have partial shade from the sun in the middle of the day; use a light porous soil without manure; give them a watering to settle the soil, after which they must be watered only when they absolutely need it. With a little care in this respect, they will root readily in a short time, and should then be placed in a well lighted house as near the glass as possible and given ample ventilation. When the plants are well rooted pot them firmly in 3-inch pots, using a rather stiff soil. Pelargoniums are slow grow-ing plants in the fall and winter months, and will not stand forcing; a dry, even temperature of 45° at night, with ventilation on every favorable occasion, suits them to perfection. In January they will be ready for 5 or 6-inch pots, which is plenty large enough to grow a good market plant. Fumigate lightly and often, as they are subject to green fly.
With regard to the names of the best

varieties, we are not up-to-date on the introductions of recent years, as they seem to be neglected by most of the florists of this country. It is difficult to tell why they are not grown more extensively, as they make a fine showing in Easter and spring sales when well done. While handling these plants for the London market the following were the best that came under our notice some years ago: Madame Thibant, white fringed petals; Venus, white; Duchess of Bedford, white; Gold Mine, searlet; Maid of Kent and The Czar. We are unable to state whether these are handled by

growers in this country. C. W. Johnson.

DECATUR, ILLS.-W. H. Gullett & Son were victimized by a young man who rented a dozen palms in the name of one of Gullett's good customers, peddled the plants about town and never came back.

# Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.



Write for Estimates.

# Bassett & Washburn

88 Wabash Ave., CHICAGO.

Wholesale Dealers and Gut Flowers
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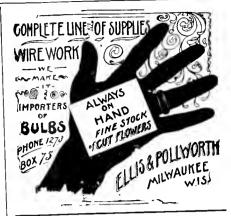
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JOHN DONALDSON, Secretary.

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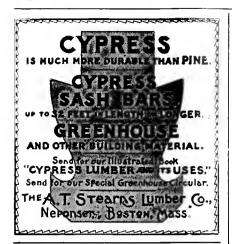
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It is not affected by extremes of weather, and is thus especially adapted for greenhouses etc. Send for descriptive circular of Mast.ca and Mastica Glazing Machines.

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#### NEW TRAIN SERVICE TO BUFFALO.

Nickel Plate Road train No. 6, from the Van Buren street Passenger Station, Chicago (on the loop), 2:55 p. m. daily, with Buffalo sleeper arriving in that city at 7:40 the following morning. Through New York sleeper on same train, via Lackawanna Road, Buffalo to New York, arriving early the next evening. Three through trains daily, at convenient hours, to ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston. Rates lower than via other lines. City ticket office, 111 Adams street and Auditorium Annex, Telephone Main 3389. (33)

#### ANOTHER IMPROVEMENT IN TRAIN SERVICE

on Nickel Plate Road, train No. 6 leaving Van Buren street passenger station, Chicago (on the loop), at 2:55 p. m. daily, for Buffalo and local stations, with Buffalo sleeper. Also New York sleeper via Nickel Plate and Lackawanna Roads. Rates always the lowest. The excellent train service to Boston and New York City, with through day coaches and sleeping cars to Boston, and the excellent dining car service, will continue as heretofore, (34)

#### NEW SLEEPING CAR LINE

between Chicago and Buffalo on train No. 6, Nickel Plate Road, leaving Chicago daily from the Van Buren street Passenger Station (on the loop), at 2:55 p. m. Also a through sleeper to New York via Nickel Plate and Lackawanna Roads, in addition to the excellent through service heretofore maintained. (35)

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and it's your own fault if you don't get the bargains. Auction Sates of Plants every Tuesday, Thursday and Saturday at 9 A. M. at.....

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at Buffalo, N. Y., July 14-17, the Nickel Plate Road will sell tickets at rates lower than via other lines. The accommodations are strictly first-class in every particular, and it will be to your advantage to communicate with the General Agent, 111 Adams St., Chicago, before purchasing your ticket. Telephone Main 3389. (28)

#### BAPTIST YOUNG PEOPLE'S UNION

will be pleased with a ride to Buffalo and return over the Nickel Plate Road Choice of water or rail between Cleveland and Buffalo, within final limit of ticket. on or address J. Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. Telephone 3389 Main. (29)

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via Nickel Plate Road, July 14-17, at one fare for the round trip. Choice of water or rail between Cleveland and Buffalo within final limit of ticket. For further information call on or address J. Y. Calahan, General Agent, 111 Adams St., Chicago. 'Phone Main 3389. (31)

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to Buffalo, N Y., and return, account Baptist Young People's Union meeting, July 14-Rates lower than via other lines. For tull information call on or address J Y. Calahan, General Agent, 111 Adams St., 'Phone 3389 Main. (30)

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FLORISTS' MUTUAL

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The American Florist Now Ready! The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada arranged both by States and Post Offices and all names Alphabetically. Price \$2.00. In Flexible Leather Binding.

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## THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. A L. BROOKE, Pres : E. Albertson Vice-Pres .: GEORGE C SEAGER, Rochester, N V . Sec'y.

THE American Retail Nurservmen's Protective Association was in session June 9 at Omaha and re-electedits former officers, as follows: President, J. W. Hill, Des Moines, Iowa: vice-president, F. H. Stannard, Ottawa, Kans.; secretary-treasurer, E. M. Sherman, Charles City,

#### Nurserymen's Committees.

A. L. Brooke, president of the American Association of Nurserymen, who, by the way, is a member of the Kansas legislature, has appointed the following important standing committees:

Transportation: A. L. Brooke, ex-officio chairman; William Pitkin, of Rochester, N. Y.; Peter Youngers, of Geneva, Neb.; W. J. Peters, of Troy, O., and R. C. Berckmans of Augusta, Ga.

Legislation: C. L. Watrous, of Des Moines, Ia.; N. II. Albaugh, of Tadmore, O.; Silas Wilson, of Atlantic, Ia.; and T. B. Meehan, of Philadelphia, Pa.

Tariff: Irving Rouse, of Rochester, X. Y.; J. J. Harrison, of Painesville, O., and X. W. Hale, of Knoxville, Tenn.

#### Park and Outdoor Art Association.

Secretary Warren H. Manning has ssued a circular giving routes and rates to the convention at Minneapolis June 22, 23 and 24. From Boston the party goes via the Fitchburg R. R. joining the New York delegation which reaches Albany via the West Shore, which is pursued to Buffalo where the party takes the Wabash R. R. for Detroit and Chicago. From Chicago to Minneapolis the North-Western road will be employed. The rate from Boston will be \$24 with a rebate at Minneapolis of \$7.50; the net return fare will also be \$10.50. Virtually the same rate will prevail from New York. The sleeping car charge is \$7.50 each way. The party will leave Boston at 9:30 a. m June 20, New York, 12:45 p. m., June 20; Chicago, 6:30 p. m., June 21.

#### Cleveland.

SUMMER DULLNESS AT THE OHIO CITY. SULTRY WEATHER AFFECTS STOCK .-DROUGHT IS BROKEN. -- LOWERS, QUALI-THES AND PRICES.

Business is rapidly dropping to the summer level, although there are still a few people yet to be married this month.

The sultry weather of the past week had its usual effect on the supply of stock and still further deteriorated the quality of roses. What good stock was offered usually sold, but there were many poor ones that could not be disposed of. price of standard sorts ran from \$1 to \$3 er 100, according to quality. American Beauties are of fairly good quality. They are bringing \$1 per dozen when they have stems of hon length. Carnations have been in over supply owing to the heat They have been offered in enormous quan tities and have often been refused, although offered in some cases at 20 cents and 40 cents per 100. Sweet peas, with some growers, are about at an end, being poor in flower and short of stein. A few sweet peas are now to be seen outdoors. Prepries, white and red, are about over Pink ones of late varieties are plentiful

in fact too much so, some having been retailed at 25 cents per dozen.

At the time of this writing we are having abundant rains, so that the threatened drought is averted.

Bedding stock has sold about as in former years, and at about the same prices. Some dealers report being sold out while others have more or less stock on hand.

#### Buffalo.

SWEET GIRL GRADUATES RECEIVE MANY FLOWERS.—CARNATIONS ARE IN OVER-SUPPLY .- OUTDOOR STOCK SCARCE .-SUMMER OUTINGS.—VISITORS.

Trade the past week has been rather brisk, the commencements of two of our young ladies' colleges calling for American Beauties by the hundreds. Beauties were of good quality, but roses of other varieties are beginning to show the effects of warm weather. Carnations can be had in quantities this week at almost your own price. Outdoor flowers are not very plentiful and only a few tiger lilies, pyrethrums and pæonies can be had.

The retail florist is thinking where he can go for a vacation and not have to buy some summer resort in order to remain there. W. F. Kasting can be seen almost any evening driving around the park in a pneumatic tired buggy behind a fine horse, and is envied by others who only pedal along on bicycles. S. A. Anderson has taken up his summer residence on the Canadian side with the Buffalo Canoe Club, of which he is a member.

Harry Balsley is here at present talking flower pots, and looks well. Martin flower pots, and looks well. Martin Reukanf, of H. Bayersdorfer & Co., called on the trade the past week. Will Siebrecht and bride, of New Rochelle, called on D. B. Long and W. F. Kasting this week on their way to Niagara Falls. Other recent visitors to Buffalo were Fred B. and Fred G. Lewis, Lockport; Mr. Wheeler, of Red Rock, Pa.; G. L. Graham, of Bradford, Pa.

Kansas City, Mo.-Olivia Thompson has filed application for a mandamus to restrain John Sneider, florist, from removing or destroying stock or fixtures at 1013 and 1015 Walnut street.

# CHINESE PRIMROSE

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Greatly Improved and well-known to be of the very finest grown. Packets put up specially for Florists, of hest slingle and double varieties, 100 needs, \$1.00. Plants ready in August, at \$5.00 per 100.

Cineroria seed of large flowering dwarf varieties in endeest mixture, pkt., 25c. 6 pkts., \$1.00.

Primula obconica, pkt., 100 needs, 35c.

Primula floribunda, flor yellow, pkt., 25c.

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# Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING, The Reading Nursery, READING, MASS. ESTABLISHED 1854.

#### EVERGREENS, Etc.

20,000 American Arbor Vitæs, 2 to 8 feet specimens and hedging plants.

5,000 Pyramidal Arbor Vitæ, 2 to 4 feet.

20,000 Comparen, Globe and other dwarf Arbor Vitæs, all sizes.

3,000 Nordman's Silver Fir, 2 to 2½ feet.

2,000 European Silver Fir, 2 to 4 feet.

5,000 Hemiock Spruce, 1 to 4 feet.

10,000 Norway Spruce, 3 to 8 feet.

10,000 Retinosporas, Squarrosa, Plumosa, Plumosa anrea and other sorts, 1 to 5 feet.

5,000 Hish Junipers, 1 to 2½ feet.

1,000 Euronymous Japonica, 18 to 36 inches.

2,000 Euronymous Japonica, 18 to 36 inches.

2,000 Euronymous radicans variegata.

1,000 English Holly, 1 to 4 feet.

3,000 Mahonias aquifolia and Japonica.

3,000 English Ivy, strong plants.

Prices low. Correspondence solicited.

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Headquarters for Japan Lilles.Cycas Revoluta, Morning Glory, all kinds of Japanese plants, seeds etc., etc. Large assortment attempts ways in stock. Orders promptly executed.

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For Fall '98 and Spring '99 Delivery SPLENING ASSORTMENT OF

# FIELD-GROWN HARDY ROSES

Clematis, Ornamental Shrubs and Trees, Pæonies, Herbaceous Plants, Small Fruits, Fruit Trees.

Price list ready in July.
Special quotations gladly submitted by letter.

# Jackson & Perkins Co. Newark.

PRIMULA—Florist strain, trade pkt. 50c; double trade pkt. \$1.00.
PANSY Mitting's Glant Flowering, florist strain, trade pkt. 50c; double trade pkt. 50c; double trade pkt. 50c; or \( \frac{1}{2} \) oz \( \frac{2}{3} \) (00, PANSY German, trade pkt. 25c; double pkt. 40c, or \( \frac{1}{2} \) oz \( \frac{1}{2} \) (00, Take pkt. 50c; double pkt. 40c, or \( \frac{1}{2} \) oz \( \frac{1}{2} \) (00, Take pkt. 50c; double trade pkt. \( \frac{1}{2} \) (00.

Above seeds have been tested and found 91 per ceet. see \( \frac{1}{2} \) oz \( \frac{1}{2} \) oz \( \frac{1}{2} \) (00.

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Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

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New and rare bardy plants for foreing. Novelties in Ferns (raised by the bargest London grower). The newest and best varieties of roses, H. P. and Tea scented, from a French raiser. Write us and ask for quotations. We impurt direct to Boston to meet the demand from Canada and New England States.

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THE NEW SINGLE FORCING

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WHITE. SHADED WITH BEAUTIFUL ROSE COLOR.

THE "UP-TO-DATE" FLORISTS' TULIP.

PRICE LIST ON "FANCY" BULB STOCK NOW READY. ASK FOR A COPY.

# 'aughan's Seed Store,



LOWERS of these "Novelty" Tulips brought the past season the highest price of all varieties sent in to the Chicapo market, and they have been shipped in quantities from the West to New York City. We will have a fine stock of this grand variety and offer same at very moderate 

| Per | r 100. |  |  |  | , |  |  |  |  |  |   |   |  | \$ L50  |
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# Boston Florist Letter Co.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters. 1 % or 2-inch size, per 100, \$2.00. Script Letters. \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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NEW CROP arriving daily, \$1.50 per 1600. Discount to wholesale jobbers. Prince's Pine, \$6 per in. Hendquarters for Galax Leaves. Laurel festioning, 4 to 80 per yd. Laurel and Prince's Pine Wreaths for Decoration Day, made to order. It he green Moss in bbis, \$1.00; in sacks, 75c. Our goods are always the best to be obtained for the money. Prompt riteration to all orders. Sead in your orders now for Ferns for Decoration Day and you will be sure to have them

#### Crowl Fern Co.

27 Beacon Street, - BOSTON, MASS.

BRILLIANT GREEN AND BRONZE

GALAX LEAVES, For Decorating and all Florists' Designs CHAS, H. RICKSECKER, Linville, Mitchell Co., N. C.

# SMALL GREEN

For use with.... VIOLETS

Stiff, wiry stems. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

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# HARDY CUT

Galax Leaves, Cut Palm Leaves, bouquet green, Moss (sphagnum and green), Laurel Roping, Xmas Trees; everything in the green line always in stock at

H. E. HARTFORD'S, 18 Chapman Place.

John Conley & Son,

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2 AND 4 DOMINICK STREET,

\_New York.

August Rölker & Sons Cape Flowers, Cycas Leaves, Florist Baskets, 3UF

Send for trade list; also for prices on fall bulbs, azaleas, etc., imported to order. Address

52 Dey Street,

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# H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. (From the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 55 N. 4th St., PHILADELPHIA, PA.

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A Complete Catalogue for Florists. Send for One.

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M. Rice & Co.

Exclusive Importers and Magulacturers of....

Florists' Supplies

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REED & KELLER..... Florists'

Supplies

NEW YORK CITY. 122 W. 25th St.,

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#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

EVERETT B CLARK, Pres.: F. BOLGIANO, 1st Vice-res r S F. Willard, Wethersfield, Conn., Secy

Y. HAINES is at the Mt. Clemens, Mich., bealth resort.

TRADE for latter half of May and for June to date is generally slower than last vear.

WILLIAM LANDRETH, of the Philadelphia seed firm of Landreth & Son, and Mrs. Landreth have engaged a suite at Haddon Hall, Atlantic City, N. J., for a prolonged summer holiday.

INDEPENDENCE, Mo.-The Duvall Seed and Grain Company has been licensed to incorporate with a capital of \$208,000. The incorporators are W. C. Adams, J. D. Wood and M. R. Roberts.

RECENT NEW YORK VISITORS.-Messrs. Langbridge and Rice, of Cambridge, N. V.: Willard, of Wethersfield, Conn.; Clark, of Milford, Conn., and Kendall of Cleveland, O., all bound for Old Point Com-

Paris.-The whole month of May has been wet and unseasonable and some crops begin to resent it. Celery Paris Golden Yellow and White Plume, turnip Purple Top, Milan and White Milan, and Purple Cape Brocoli will be again short

RUSSIA will hold an international horticultural exposition at St. Petersburg in 1899. It will be under the patronage of the Czar and every effort will be made to make it a notable one. The display of flowers and plants will open May 17, 1899, and continue ten days. In the fall an exhibition of fruits will be

EVERETT B. CLARK, of Milford, Conn., the newly elected president of the American Seed Trade Association, is one of the best known of American seed growers; one whose stocks have become known standards for reliability and purity. No better qualified man could be found to represent American growers as the head of this association.

#### American Seed Trade Association.

The sixteenth annual meeting of the American Seed Trade Association was held this week at Old Point Comfort, Va., beginning Tuesday morning. The following officers were elected for the ensuing year: Lyerett B. Clark, Milford, Conn., president, F. Bolgiano, Baltimore, first vice-president: Albert McCullough, Cincinnati, second vice-president, S. F. William Walthard M. S. F. William M. S. F. William M. Walthard M. S. F. William M. S. William M. S. F. William M. S. William M. S. William M. S. lard, Wethersfield, Conn., secretary and treasurer A. N. Clark, Milford, Conn., assistant secretary. Papers were read as follows: Southern Torage Plants and follows "Southern Forage Frants and their Adaptability for Planting in the North and West," by Henry W. Wood, Richmond, Va., "The Seedsman's Ann Should be to fixed Father than Ender sell, Quality is Quantity," by W. Atlee Burpee, Philadelphia, Pa., "Our to the Control of the Control Place at the Paris Lyhbition, by C. L. Allen Thoral Paris N Y "Honesty of Representation" by Lyerett B. Clark, Millord, Come. The classification of gar den seeds and treight rates were discussed at some length, and Albert Mctuflough gave a timely and interesting discourse on seed legislation.

# TO THE TRADE!

WHEN closing December last my arrangements with the Joseph Breck

Wiffen closing December last my arrangements with the Joseph Breck A Sons Corporation to expire on May 31st., 1898. I organized the Braslan Seed Growers Co, to act as selling agents for leading seed growers of the United States and Europe.

While by my agreement then made I do control all mail addressed to that firm at Chicago, whether in my name as manager, or to Joseph Breck A Sons Corporation, yet the Braslan Seed Growers Co, have neither purchased nor taken on sale any surplus or carried-over seed stocks of the said corporation in storage, nor do we act for them in any way.

The liberal patronage extended to me while interested in that corporation I gratefully neknowledge and appreciate.

I shall in the future manage the new company as selling agents for reliable seed growers of all lines of vegetable and flower seeds. Orders will be invoiced by and shipped to you direct from the producers. Your requirements when placed with as secures to you fresh new crop seeds at practically growers' contract prices.

We solicit a continuance of your esteemed patronage.

## CHARLES P. BRASLAN

FOR BRASLAN SEED GROWERS CO

Offices: Chicago: 18 N. Clark St. San Francisco: 419-421 Sansome St.

Mall or telegrams addressed to either office will receive prompt attention.



# RAFFIA BEST QUALITY. LONG MADAGASCAR Notwithstanding the higher market on this item I am still offering at the old figure so long as present stock lasts. stock lasts. In bale lots (about 225 lbs.) at 8c

ceive the same careful attention.

Grafting Wax

Trowbridge's Celebrated Grafting
Wax, the genuine article, 1 lb. bars
at 19c; ½ lb. bars at 20c; ½ lb. bars
at 21c per pound. Rebates: 10 lb.
lots, 5 per cent; 25 lb. lots, 10 per
cent; 50 lb. lots, 15 per cent: 100 lb.
lots, 20 per cent. Address all orders
and correspondence to Juniper and
Walnut Streets. Philadelphia, Pa.

G. C. Watson, Seedsman.

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can profitably handle our ODOR-LESS PLANT FOOD. Write for testimonial leaflet and free sample, 100 per cent. profit guaranteed......

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#### THE WALKER FERTILIZER CO. Clifton Springs, N. Y.

The fluest of all the Glant flowering varieties to be had. No better grown: carefully selected; very large theorem of perfect to in and choice colors. All my florist enstoners praise this strain very highly: requires no letter evidence of superiority. Every florist should be sure to saw of it this senson. Fer trade part of all seeds \$1.00 helf pkt. 356. A pkt. New Forget We Not, Calewel, with every order.

JOHN F. RUPP, Shiremonstown, Pa.

...... BEST OF ALL' TOMATO
"ENGLISH" MELONS
"ENGLISH" MELONS

FLOWER SEEDS FOR FLORISTS
Catalogues on application.

WEEBER & DON, Seed Merchants and Growers,

# NOTICE.

Mr. Charles P. Braslan's connection with us ceased with the close of business May 31st. We beg to inform the trade generally, that we have no connection with Mr. Braslan, or the Braslan Seed Growers Co., and are not responsible for any of his or its acts.

Orders requiring prompt attention should be addressed to Mr. A. J. M. Joiner, our manager in Chicago, at 12 N. Clark St. All other letters pertaining to our past or present business in Chicago, and all remittances, should be mailed to our Boston office.

JOSEPH BRECK & SONS,

(CORPORATION

Per Charles H. Breck, Treas.

Boston, June 1st, 1898.

## **BURPEE'S** SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

# COLD STORAGE VALLEY ALWAYS ON HAND.

CASES of 2500 pips, extra quality, \$25.00; per 1001, \$12.00

CASES of 300 1000, \$10.00 3000 pips, good quality, \$25.00; pe

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# AGS COTTON SEAMLESS, BURLAPS, ETC. Manufacturers and Dealers SECOND HAND BAGS BOUGHT AND SOLD.

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# The Only Machine

on the uniket for automatically filing and scaling seed packets.

The Brown Bag-Filling Machine Co. FITCHBURG, MASS., U. S. A.

# NOW READY!

FULLY REVISED TO DATE The\_\_\_

American Florist Company's

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DIRECTORY



WITH

UPWARDS

3,000 NEW NAMES 33 OF 33

Florists, Nurserymen 3 Seedsmen

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UNITED STATES AND CANADA ARRANGED BOTH BY STATES AND

# **ALPHABETICALLY**

PRICE TWO DOLLARS.
IN FLEXIBLE LEATHER BINDING, THREE DOLLARS.



American Florist Company,

324 DEARBORN STREET, CHICAGO, ILL., U. S. A. &

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#### Los Angeles, Cal.

DULL TRADE FOLLOWS MEMORIAL DAY ACTIVITY.—CHANGES AT THE INGLESIDE NURSERIES. — RAFFERTY'S FREESIAS. — JOTTINGS OF PERSONS AND PLANTS.

Memorial Day was more generally observed in this city than for a number of years past; florists were liberally patronized and in return presented to representatives of patriotic bodies nearly all flowers remaining after the orders were filled. Since Memorial Day trade has been very dull and the prospects for the summer season are not encouraging.

Several changes have taken place at the Ingleside Nurseries. J. A. Kusche, who has been in charge of the greenhouses and gardens for nearly two years, resigned. He contemplates entering business for himself, either in this city or in Santa Barbara. His position is now filled by Thomas Comstock, who recently arrived from Missouri. Miss Allen, the etlicient stenographer an i book-keeper at the Spring street store has given up her position and in a few days will leave for Salt Lake City to reside. Capt. F. Edward Gray, the proprietor, is announced as a candidate for the republican nomination for county assessor, a position he has held before.

Fred Rafferty, the leading florist at Santa Ana, has been selected as one of the park commissioners of that city. He reports a heavy demand for bulbous stock. His entire crop of freesias is sold and he requires more to complete filling

his orders.

Since the destruction by fire of the big Raymond Hotel, at South Pasadena, nearly three years ago, the greenhouses and grounds have been somewhat neglected but now additional greenhouses are being built, one for roses 24x100 feet, and a large propagating house. R. Leithead, who is in charge of this establishment, hopes to soon see a new hotel built.

Otto Saake, who has been employed by J. A. Summers, of the Central Park Floral Co., has resigned and will investigate the culture of tobacco in this vicinity. It is said to be a profitable crop in some parts of San Diego county and Mr. Saake

hopes to succeed with it.

E. H. Rust, of the Park Nursery Co., Pasadena, has returned from the east and is now attending to his duties as horticultural commissioner.

Henry Ebert, gardener at the Hollenbeek Home, has gone to serve his country

in the Philippines.

The conservatories in East Los Angeles Park are attracting many visitors. display of a house full of gloxinias in full bloom is the principal drawing eard, but a collection of Japanese irises grown outside under lath shade, is greatly admired. D. R. W.

Bougainvilleas Glabra & Glabra

anti-wills archer

THEO. S. BECKERT.

Clenfield, Pn., "miles below Pittsburg

GYGAS REVOLUTA. The true, long-leaved ariet. Freshly emported dormon tenns. Run from 6 to 9 inches in 5 ingth and weigh from 5 to 10 inches in 5 ingth and weigh from 5 to 10 inches in 5 ingth and weigh from 5 to 100 lbs., \$75 per 1000 lbs., \$0 los. it 100 rate. \$60 to 5 fluorical. \$60 to 5 fluorical. \$60 to 5 fluorical.

#### UNITED STATES EXOTIC NURSERIES

Formerly Pilcher & Manda) SHCRT HILLS, N. J. B. hole ale Catalogue Pilm Lein on application



per 100 1000 3000
LATANIA BORBONICA....\$ .50 \$ 3.00 \$ 7.50
ARECA LUTESCENS..... 1.00 7.50 20.00
NANUS..... 

J. L. SCHILLER, NEW YORK CITY. 404 East 34th Street.

# Good Stock! Low Prices!

CANNAS Strong plants of Alphonse Bon-dale, Paul Marquant, Wm. Elliott Bisson, Sec. Stewart, Flamboyant, \$4.00 per 100; \$35.00 per 1000.

COLEUS Crimson Verschaffeltii, Golden Queen and Golden Bedder, \$2.00 per 100; \$18.00 per 1000.

Geraniums Double Gen. Grant and S. A. Nutt. 2½-inch pots. \$3.00 per 100; \$28.00 per 1000; extra good. 4-inch pots. \$7.00 per 100; \$55.00 per 1000. Cobwa Scandens, 4-inch pots. .....\$6.00 per 100.

JOHN SCOTT, KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

# Orchids

e have still on hand a limited quantity of following importation: Cattleya labiata, C. Mossie, C. Lelia purpurata and Miltonia

LAGER & HURRELL, - Summit, N. J.

Asparagus — Sprengerii 85.00 per 100. Seedlings

American Rose Co., Washington, D. C. 

# Dutch Bulbs HYACINTHS, TULIPS, CROCUS, ETC.

RUDOLPH VAN TIL & CO.. Hillegom, Holland.

American Representative

L. C. BOBBINK, Rutherford, N. J.

ASK FOR CATALOGUE.

Mention American Florist.

# Asparagus P. Nanus (true)

10,000 Plants. Per hundred. \$2.50, or \$20.00 per thousand.

Cash with order from parties unknown to me

LOUIS ULLRICH, Tiffin, Ohio. Wholesale Grower of Cut. Flowers

# G. HILL &

RICHMOND, INDIANA.

# Cycas Revoluta Stems

izes 3 to 6 ths each.

amers, per lb.

Let the advertiser know that you take the Frontsi. Then he'll know how he came to get your order.

# TIRFROSES

To close out we offer well kept, sound bulbs as below. It should pay well to flower this stock for early fall out flower trade. Per 1000

> First Size Pearl......\$6.75 Medium Pearl..... 2.75

# Vaughan's Seed Store,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St .....

# Crotons...

\_IN VARIETY

Rothschild, Hawkeri, Interruptum, Evansia-Rothschild, Hawken, Interruptum, Evansia-num, Rubra Lineata, Andreanum, Aurea Mac-ulatum and others, suitable for bedding. Fine plants in 3-inch pots, \$2.00 per doz. New and rare varieties, 50 cents each. Aurea Maculatum, extra fine plants in 4-in. pots, \$2.50 per doz.; \$15 per 100; 3-inch pot plants, \$2 per doz.; \$12 per 100; thumb pots, \$1 per doz.; \$6 per 100.

## Edwin Lonsdale,

Money Order Office, Station H. Phila.

Florist. CHESTNUT HILL. PHILA., PA.

# FINE PALMS

#### ARECA LUTESCENS

plants, 5-in, pot 18 to 20-in, high, per 100, \$40.00 plants, 10-in, pot, 18 to 50-in, high, each,... 4.00 plant, 2 in, pot, 8 to 12-in, high, per 100, 5.00 3 plants.

COCOS WEDDELIANA

I plant, 4-iu. pot, 15 to 18-in. high, each. ... \$ .50 I plant, 5-iu. pot, 24-in. high, each. ... ... .75 I plant, 5-iu. pot, 30-in. high, each. ... . 1.00 KENTIA BELMOREANA

21½-in., 3 leaves, 10 to 12-in, high, per 190... \$20.00 3 in., 4 or 5 leaves, 15 to 18-in, high, per 100... 25.00 5-in, 4 to 6 leaves, 20 to 21-in, high, each..... 1.00 All measurements from top of pot.

JOSEPH HEACOCK, WYNCOTE, PHILA., PA. Mention American Florist when writing.

# Good Stock to Fill Benches Now.

JOHN H. LEY, Good Hope, Wash ngton, D. C.

All clean, well-grown plants to shift on at once,

All clean, weli-grown plants to shift on at once, Areen Latescens, 1 inch pots, 2 ft. thick \$3.00 dox. Oreodoxn Regin 5 in., 3 in a pot, 4 feet 9.00 ° (Royal Palm, very elegant.)
Latania Borbonea, 1 in, thick. . . . 2.00 ° Andanus I this 1 in, thick. . . . . 2.00 ° Adiantom Reginum, 6 in., fine for cutting 5.00 ° Rhodophyllum, 6 in. . 5.00 ° Nephrolepis D furcins, 5 in, ex, strong, 3.00 ° Rose Mine, Plantter 5 in , extra strong, 1.50 ° Crotons, 6 linest sorts, top cuttings, 2-in., \$1.00, 100 Ferus tron thats, 8 sorts, maild, for \$1,25; \$10 per 1000, 100 Citrus Otaheitensis, rooted cuttings, mailed, for \$1.25.

inailed, for \$1.25. Well packed—Cash with order.—Plants extra.

# Rose Hill Nurseries

LAROLIST Growers of Palms, Orchids, Stove and Greenhouse plants, Ferns, Araneatus Pandanus.....

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

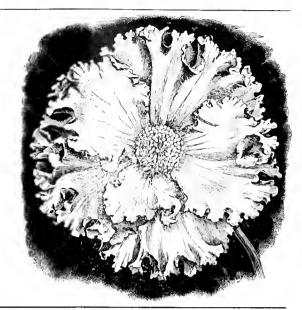
# New Frilled, Tuberous Rooted...

# BEGON

We can still supply a limited stock of the most unique form, with very large single flowers which are entirely distinct from anything heretofore offered, the petals being wavy and beautifully frilled on the edges, similar to the newer forms of Petunias. The illustration gives a very good idea of its general appearance. A decided acquisition and created a sensation at the European exhibitions last year. Strong bulbs, 30c each; \$3 per 100.

We are now booking orders for our SUPERB STRAINS of Calceolaria, Cineraria, Cyclamen, Pansy, Primula, etc., etc. New Crops will be here shortly-for varieties and prices see our current wholesale catalogue,





# ASPARAGUS SPRENGERII

From 2-inch pots, good stuff, per 100, \$5.00......

Cycas Revoluta, dormant stems, size from 3 to 10 lb. w 12e per lb.

Clothilde Soupert, the great pot rose, our stock is Λ No. 1, 2-in. ω \$3.00; 2½-in. ω \$4.00; 3-in. ω \$6.00; 3½-in. ω \$9.00 per 100.

Pelargoniums Mme. Thibaut. Mrs. Robt. Sandiford. Edward Perkins and Dorothy, strong 3-inch stock, per doz., \$1.50; per 100, \$12,00.

# **CANNAS**

Plants from 2½ and 3-inch pots & \$4.00 per 100. Alphonse Bouvier, Austria, Italia, Discolor, Exp. Cramplel, J. D. Cabos, J. W. Elliott, Mrs. J. M. Samuels, Midway, Madam Crozy, Paul Marquant, P. J. Berckmans, Sophie Buckner, Stella Kanst. Star of '91. F. R. Pierson, Madagascar, Mrs. F. L. Ames, Mme. A. Bonvier, Octave Mirabeau.

## FORCING ROSES

We have a fine stock of Brides, Bridesmaids, Perles, Meteors, Gontiers, American Beauties, Kaiserin Augusta Victoria, Pres. Carnot and Mrs. Robt, Garrett from 2½ and 34/2-inch pots.

Send us your list to price.

## **VAUGHAN'S SEED STORE**

Creenhouses: Western Springs, III. 84-86 Randolph St.

CHICAGO:

BULBS FOR FLORISTS... FOR SEEDSMEN.

# **VAN ZANTEN BROTHERS,**

HILLEGOM.

HOLLAND.

Azaleas

THE FINEST STOCK IN THE WORLD

Palms

SANDER,

**Bay Trees** 

BRUGES, BELGIUM. AGENT :

Araucarias A. 60 Ve A. DIMMOCK.

t., NEW YORK.

# JUST ARRIVED

A LARGE SHIPMENT OF &

# **Sweet** Bay Trees

' (Laurus Nobilis)

Ir Standard and Pyramidal Form. Ask for price list.

Rutherford, N. J.

# #пополительного пополительного попо

50,000 plants in 2½-inch pots, \$5.00 per 100, Xpress; 24 for \$1.50 by mail. . . . Specimens for 8-inch pots, \$6 per 12.

A. BLANC & CO. PHILADELPHIA. 



# The Finest Winter Flowering Plant of the Century Begonia Gloire de Lorraine

Tills fine variety keeps up a succession of bright rosy pink blossoms throughout the Winter, and is invaluable for florists' work. H. B. May, who was the first to bring this striking novelty into popularity, holds the finest stock in the world. Orders for export carefully packed.

H. B. MAY,

Dyson's Lane Nurseries, Upper Edmonton, London,

#### Rose and Carnation Houses.

ED. AM. FLORIST:-Some reader of the AMERICAN FLORIST would oblige by answering the following: 1. What is most economical for three-fourths-span rose or carnation house, east and west, that is to be constructed for solid beds? There will be four houses and each house is to accommodate one bench of pot plants. Would prefer a house of three benches, always two solid and one raised. The local conditions are such that we can build the best solid beds cheaper than plank benches. By using one raised bench for pots we avoid the difficulty of constructing the third or high solid bed. Walks should be all around the sides of the house, giving them three beds and four walks. 2. How much space is absolutely necessary between such houses, on ground sloping at a rate of one foot in fifty feet, to prevent one house from shading the other? What is the necessary elevation of the solid beds? MINNESOTA.

As submitted, there must be something left out of the question, as there is nothing to signify what the word "economical" refers to, whether to the construction, arrangement or the heating of the house. To answer briefly: In forcing houses it is desirable to have from 24 to 30 inches of glass in the south wall, set either in permanent sash or in hinged ventilators. The wall itself may be con-structed with cedar posts set four feet apart and sheathed and sided up to the sill beneath the glass, or a grout wall may be used beneath the glass. The north wall requires no glass. It is advisable to have a walk along the south wall, but a raised bench may be placed against the north wall. For carnations the south bed should be raised about two feet, but for roses one foot will be ample. The other beds should be about one foot higher than the bed to the south, and the ground should be graded so that the beds will not be too high for convenience in caring for them. Three feet from the walk to the top of the soil will be fully as high as desirable for any of the beds. Hot water will, as a rule, be found most satisfactory in small establishments, but steam plants are less expensive to put in. All of the pipes may be placed upon the walls, or the mains may be carried on the purlin posts a foot or so below the glass, with two returns beneath the soil on each of solid beds to give bottom heat. The farther the houses are apart the better so far as the growth of the plants is concerned, but a distance of eight feet will give good results. It also permits of driving between the houses, which facili-tates the handling of the soil. If necessary, a smaller distance may be used, and fair results will be obtained with six or even four feet, especially if the ground can be so graded as to bring the north house two feet higher than the south one.

L. R. Taft.

Polo, Illis. M. E. Miller has found a new way to increase trade. He is giving flower shows in the surrounding towns, usually under the anspices of some patriotic society which receives a share of the proceeds of sales and sends, the money to the soldiers representing the town in the camps in the waith.

BALTIMORE, Mic-William Griffith and Harry V. Casey, have been employed by Pobert S. Corse, superintendent of Pat terson park, to lay out eight large ornamental beds

# YOUNG

# ROSES

**PLANTS** 

| From 212-inch Pots, |        | Per 1000 |
|---------------------|--------|----------|
| AMERICAN BEAUTIES   | \$4.00 | \$35,00  |
| BRIDES              | 2.50   | 20,00    |
| BRIDESMAID          | 2.50   | 20,00    |
| METEOR              | 2.50   | 20,00    |
| PERLE               | 2.50   | 20,00    |

TERMS CASH WITH ORDER.

# J. A. BUDLONG, 37-39 Randolph Street, CHICAGO

CHICAGO. ILL.

# AS GOOD AS CAN BE GROWN

We have the following Rose Plants, the same stock as we have planted in our own houses, still on hand and for sale. We gnarantee them to be first-class in every respect.....

| 7000 | Am. Beauties | .21 <sub>2-</sub> i1 | ı, po | ts | \$5.00 |
|------|--------------|----------------------|-------|----|--------|
| 600  | Kaiserin     | .3                   | * *   |    | 5.00   |
| 600  | 16           | $.21_{2}$            | 41    |    | 3.00   |
| 4000 | Bridesmaids  | $2^{1}_{2}$          | 4+    |    | 2.50   |

FIRST COME-FIRST SERVED.

# BASSETT & WASHBURN, Hinsdale, III.

# 40,000 FIRST QUALITY FORCING ROSES. READY FOR IMMEDIATE PLANTING.

WOOTTON METEOR PERLE BRIDESMAID

hose sent out the last stayears, first class and perfectly healthy in every respect.
Only selected growth from flowering shoots used in propagating.

LA FRANCE AMERICAN BEAUTY PRESIDENT CARNOT
3 inch pots, 88 00 per 100. 4-inch pots, 812 00 per 100.

KAISERIN SUNSET BONSILENE MERMET
GONTIER MME. HOSTE NIPHETOS BRIDE
BELLE SIEBRECHT. 3-inch pots, \$7.00 per 100. 4-inch pots, \$10.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

# Rose Fine Bride, Bridesmaid, Perle, Sunset and Melcor,

2½-inch Rose pots......\$3.00 per 100. 3-inch pots, standard..... 5.00 per 100.

W. J. & M. S. Vesey, FORT WAYNE, IND.

#### AMERICAN BEAUTY

Fine young plants, healthy and strong. 2%-inch pots, \$8,00 per 100; \$70,00 per 1000.

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, Cash with order PHILADELPHIA, PA. Money Order Office, Station II, Phila

HANDY FOR WESTERN GROWERS

Beauties, Brides, Maids, Meteors, Wootfons and Perles, 212, 3 and 4-in. Strong, clean, and Perles, 22, 3 and 1-in. Strong, clean, healthy stock cheap for cash, to clean up. It you want good stuff at prices to sait write as for prices at once. Address...

J. N. KIDD, Florist, St. Joseph, Mo.

#### ROSES! ROSES!

Brides, Perle, Wootton, Maids, Kaiserin and Meteor 10. 2 in 43.00 per 100, \$25.00 per 1000 Brides, Wootton and Meteor, From 3-in., \$5.00 per 0. \$1.00 per 1000 50.00 100 and 500 at 1000 rates. Cush with order,

ROBERT F. TESSON,

West Forest Park.

# ROSES..

2-in. per 100 3-in. per 100 \$.. \$5.00 Am. Beauties . . Perle . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50 4.50

MAPLEWOOD CUT FLOWER and PLANT CO.

# PLEASANT HILL, MO. Memorial Rose

(Rosa Wichuriana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON, MORRISVILLE, Bucks Co., PA.

# FINE ROSE STOCK

FOR PLANTING, Out of 3-inch pots. METEORS. VICTORIA KAISERIN, MAIDS. BRIDES, BELLE SIEBRECHT, PERLES AND BEAUTIES. Write for prices. Send 50c, or \$1.00 for sample lot of what you want to

GEO. A. KUHL, PEKIN, ILL.

# Chrysanthemums!

New and standard varieties. Extra flue plants from 2-meh pots. Send for price list—Discount on large orders.

H. WEBER & SONS, Oakland, Md.

You can do more than Pay Your Rent by Advertising your Surplus Stock in The American Florist.

American Beauty, Carnot, and Testout from 4-inch pots, in extra fine shape of \$15.00 per 100. Bridesmaid, extra fine, 3-inch pots of \$15 per 100; \$125.00 per 100.

Also the following varieties, not grafted, but strong vigorous stock, American Beauty, 3-inch of \$10.00 per 100; \$80.00 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Also the following varieties, not grafted, dent Carnot, Kaiserin, Meteor, La France, Perle, Mrs. P. Norgan, Wootton: These are extra large plants in perfect condition from 3-inch pots of \$8.00 per 100. If you want a large lot, write us for special price and samples. A A A A A Strong 3-inch plants of \$6 per 100; \$85.00 per 1000. Strong 3-inch plants of \$6 per 1000; \$45.00 per 1000. Strong 4-inch plants of \$15 per 1000; \$15 per 1000.

Robt. Craig & Son, Market and 49th Philadelphia. 

Chrysanthemums, 244-in.

Carnations, from soil.

Geraniums, 3-in.

All fine stocky ...plams

Cannas, 4-in.

Write for Quotations.

The Cottage Gardens, QUEENS, L. I.

# Forcing Roses

|                            | Per :         |           |
|----------------------------|---------------|-----------|
|                            | 236-in.       | 336-In.   |
| BRIDE                      |               | £4 00     |
| BRIDESMAID                 | 2 50          | 4 00      |
| METEOR                     | 2.50          | 4 00      |
| White, Pink and Yellow Ran | ablers, same. | Moonvines |
| \$25.00: Alternanther      |               |           |

# **CHRYSANTHEMUMS**

Strong, from 233-inch pots, \$2.50 per 100.
EIDERDOWN W. B. DINSMORE
MUTUAL FRIEND MARION HENDERSON
WHITE SWAN COLL SMITH
GOLDEN BEDDER
MRS. HIGINBOTHAM ENFANT DES MONDES
MRS. ARISTEE.

THE NATIONAL PLANT CO.,

Very choice, 3-in. pots, \$4.00 per 100. May be returned at our expense if not satisfactory.

BRANT & NOE, Forest Glen, Illinois.

Conventio

& It would be folly to attempt

selling surplus spring stock, but you can dispose of it now by ad-

# The American Florist

NO DRUMMER LIKE IT : 4.4

# ose Plant

Per 1000 \$45,00 25,00 25,00 METEORS. BRIDES.

WIETOR BROS. ROGERS PARK FLORAL CO.

**CUT FLOWERS** ROSE PLANTS...



51 Wabash Ave.

CHICAGO

INCH POTS.

ROSES. ROSES. ROSES.

American Beauties, Bride, Bridesmaid, Bon Silene, Caroline Testout, Kaiserin Augusta Victoria, La France, Meteor, Morgan, Perle, Souvenir de Wootton, etc., etc.

Also Clothilde Soupert, Mossella and Clara Watson, suitable for immediate planting for summer blooming in extra fine stock from 3 and 4-inch pots.

JOHN N. MAY, = Summit, New Jersey.

## CHRYSANTHEMUM .\* .\* .\* MRS. A. F. WIENOLD.

utes. Extra strong plants. \$1.00 for 12; \$6.00 for 100.

ROSES Ready to shift. Notold, hard wooded stuft, but young healthy plants. Brides Bridesmaids, Perle, Sunset and Niphetos. 212-inch pots at \$2.50 per 100

McDONALD & STEELE, Crawfordsville, Ind.

# **Chrysanthemum**

Yellow Sport of JEROME JONES.

It received the highest points and a **Certificate of Merit** at the Cleveland Chrysanthemum Show. It is in Yellow what **Jerome Jones** is amongst the White. The very best for late blooming. 25<sub>2</sub>-in, pot plants, strong, \$2.50 per doz.; \$20.00 per 100. Stock ready April 15th.

E. J. PADDOCK, 295 Erie St., CLEVELAND, OHIO.

#### Sweet Peas.

ED. Am. FLORIST:-Our Blanche Ferry sweet peas turn striped in very warm weather, and we would like to know weather, and we would like to know whether there is not a better pink variety for market purposes. We would also like to know of a better white for outdoor culture than Mrs. Sankey, which is tinged with pink. Next year we are desirous of having our sweet peas in bloom about February 1, and would like to have information as to the time of sowing, temperature and the two best varieties, one pink and the other white.

Tennessee.

Replying to above, we had same trouble last year outdoors. We do not force any under glass nowadays, so ventured to get replies from some of the successful growers of sweet peas who do.

Edward Swayne, Wawaset, Pa., says:
"We have had the usual trouble with Blanche Ferry coming striped, but do not know the cause. The trouble is not consnow the cause. The trouble is not confined to those grown under glass. This year we have them outside more than 95% pure. Last year they were all striped. Inside we have about half our house nearly all true to the type, and the other half nearly all striped from the other half nearly all striped, from the same lot of seed. Better save our own seed from best plants." In answer to the question, "Is there not a better pink for market purposes?" Mr. Swayne would market purposes: Ar. Swayne would not say positively, but would suggest as worthy of trial Miss Hunt, Lovely and Prima Donna; and as a white variety for foreing, Blanche Burpee has given him the best results, with Emily Henderson next.

Jacob H. Weaver, Greenland, Pa., says: "We have experienced more or less trouble with the variety under consideration coming striped. At the present time it is confined to a few plants which came from seed dropped from last year's crop. I'p to the present the flowers from the seed sown has shown no signs of stripes. He does not use the Blanche Ferry exclusively. With him the Emily Henderson far exceeds the Blanche Burpee, and these are the only two whites he has tried

as vet.

Elmer J. Weaver, Bird-in-Hand, Pa., ivs: "About April 20 a portion of our Savs: sweet peas began touching the glass, which was removed, thus allowing the peas to grow through the roof. At the present time they are so hadly striped, standards and all, that they do not resemble Blanche Ferry in any way. All the remainder of this variety which are growing under glass at present are true to color, not a plant bearing striped flowers. Last year they grew true to color. Cannot account for it, as one would think removing the glass would tend to bring them true." Up to date Mr. E. J. Weaver has no variety as suit able as Blanche Ferry for an all round pink. "Katherine Tracy," he says, "has certainly a more delicate and beautiful color, and also comes true, but is rather a shy bloomer, many of the first buds turning yellow and dropping off. But when it gets well started it makes fine salable flowers. Emily Henderson is the best white for foreing, though Blanche Burpee may make a few more flowers, but of many his transfer may be the salable forms. but of a much interior quality and shorter. weaker stems."

In Tennessee, if the seeds are sown about the middle of August, they should be in bloom not later than f ebruary 1. A temperature of 5 at might will suit them. The red spider is the greatest enemy of these plants, well-directed heavy syringing is the best remedy for this pest

# Choice Stock Special Prices

ALYSSUM DWARF-21g-in, pots, \$2 00 per 100,

ALYSSUM DWARF—2½-in, pots, \$2.00 per 100, \$18.00 per 1000.
NASTURTIUMS—Tall and dwarf, 2½-in., \$2.00 per 100, \$15.00 per 1000.
GERANIUMS S. A. Nort and Heterauthe, 4½-in., pots, \$8.00 per 100.
COBÆA SCANDENS—Fine plants from 5-in., pots, \$8.00 per 100.
CHOICE MAMMOTH VERBENAS—From 2½-10, tots, \$2.00 per 100, \$15.00 per 1000.
ALTERNANTHERA—2½-in. P. Major and A. Nana, \$2.00 per 100, \$18.00 per 1000.

Or will trade some of the above Stock for Chrysanthemum Cuttings, rooted, GOOD VARIETIES.

Long Distance Telephone, Oakland 319.

CANNAS Choice stock from 41/2 and 5-in, pots. including Austria and Italia, \$15.00 per 100.

MARGUERITE CARNATIONS - Fine plants from 214-in. pots. \$2.00 per 100, \$15.00 per 1000. CENTAUREA CANDIDISSIMA —214-in. pots, \$2.50 per 100.

LOBELIA - Tall and dwarf, \$2.00 per 100, \$15.00 per 1000,

COLEUS Golden Bedder, Verschaffeltii and others, \$2,50 per 100.

S. MUIR, 3530 Michigan Ave., CHICAGO.

#### FINE PLANTS

# VERBENAS

IN BUD AND BLOOM.

Many Fine Varieties added to Our Collection.

Best Mammoth .....per 100, \$3 (0); per 0, \$25,00 Ceneral Collection . " 2 50; " 20.00

#### ROSES.

American Baauty, 3-Inch pots .......per 100, \$10 00 Bridesmaid, Bride, Bon Silene, Bon Sil

bloom. From 3%, 4 and 5-tach pots, \$10.00, \$15.00 and \$20.00 per 100

Hybrid Perpetual, la bud, from 5-lach pots, strong \$25.00 per 1 0.

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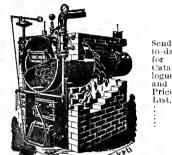
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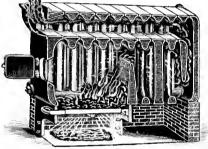
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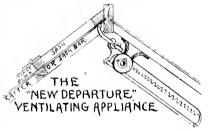
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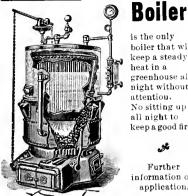
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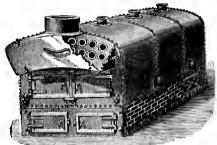
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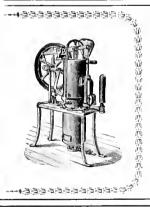
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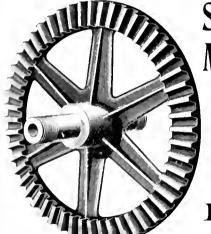
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Hartford, Conn.—T. L. Thomas has on exhibition a rare brugmansia. The plant stands 15 inches high and has at present eight beautiful blooms and one bud. The blooms are bell-shaped, about three inches long and the odor is sweet and delicate.

#### The Culture of Dendrobiums.

| Abstract of a paper read before the June meeting of the Pennsylvania Horticultural Society by John Thatcher. |

These include some of the most useful and beautiful species of orchids in cultivation. By growing about twelve different varieties, one or the other can be had in flower nearly the whole of the year. The general culture of them is easy; no one who owns a warm house should be without a small collection. I will now give the mode of cultivation that I have used for several years, and with the majority of varieties I have always been fairly successful.

To insure success the roots must be in a healthy condition, and to secure this the plants should be repotted every two years, the compost to consist of good, clean, fresh sphagnum and broken crocks, these latter to be about one-half inch in Potting is a work that cannot be rushed along, as though you were potting geraniums, but should be done carefully, so as to injure the active roots as little as possible. When the plants are taken out of the pots or baskets all the old material and dead roots should be carefully removed. If pots are used they should be about three parts full of crocks; if baskets are used a few crocks over the bottom will be sufficient, for when hung up they dry out much more quickly than otherwise. Spread a thin layer of compost over the top of the crocks and then spread the roots over the surface, filling in between with compost. When finished the compost should be about one inch above the rim of the pot One great point is not to use too large a pot or basket. The proper time to repot is when the young growth is about two inches high, just when the roots are commencing to push out.

After repotting give the plants every encouragement to grow by supplying plenty of heat, moisure and light. Do not give much water till the roots get fairly good hold of the compost. Care must be taken not to let thrip, greenfly or red spider get headway. To keep these down syringe twice a day overhead on bright days and get well under the foliage. Shading, if it is permanent, should be very thin, but if possible do not have a permanent shade. If shaded too heavily the growth is weak, and if given a fair amount of sunshine it is possible to have stems like young bamboo canes. Manne can be applied with advantage to some varieties, but I would not adviseits use where only a few plants are grown. If there are trough pipes in the house they may be kept filled with manure water when fire heat is in operation, and much advantage will be derived

therefrom. One of the best things I have found for giving a good, healthy, dark green hue to the foliage is fresh slacked lime and soot, two-thirds soot and one-third lime. Scatter the mixture on the paths and under the benches twice a week when the plants are in full growth, and anyone that has not used it will be surprised at the amount of beneficial gas it throws off.

Resting I consider the most important point in dendrobium culture, and many tail to keep their plants in a healthy condition because of neglect in this particu-The majority of dendrobiums, or 1 should say spring flowering varieties, as soon as growth is finished should be put in a cool, airy house and given plenty sunshine, gradually withholding water; give only enough to prevent shriveling; the varieties that flower soon after growth is finished I prefer to leave in their growing quarters until the flowers are out. I will now give the six best varieties, to my mind, their season for flowering and the temperature they should be in it possible during the winter months. The varieties I shall name are easy to grow, free flow-ering and cheap: D. Phalaenopsis Schroderianum is the king of the dendrobiums. This variety produces its flowers on the top of mature leafy growths; it also throws out spikes from the two and three year-old growths. Well-grown plants produce two or more flowers on a spike and the color varies from pure white to dark magenta. The flowering season extends from August till November, and if possible this variety should be kept very dry in a temperature of 55° during the resting period.

D. nobile is one of the best and easiest to grow. The blooms are produced on the old growth, in twos and threes, all up the stem. It can be had in flower from the end of December till June, and should be rested in a cool house where the temperature does not fall under 45. mosum giganteum is the largest flowering variety among the white kinds. It blooms on the ends of leafy stems in bunches of from three to five as soon as growth is completed. The flowers appear in August and September, and the plant should be wintered in a temperature of 55 and not allowed to get too dry. Dalhousianum is very sweet scented and requires plenty of head room. When well grown the pseudo bulbs will reach to a height of four or five feet. The flowers are produced in a spray of from six to ten on the leatless growth, usually in April and May. It should be wintered in a temperature of 55 and kept fairly dry. D. Wardianum is a beautiful large-flowering variety and one that should be in every collection. The flowers are produced on the young growth after the leaves have fallen, from January to March. Winter in a temperature of 45 and keep moderately dry. D. thyrsiflorum is the best of the evergreen kinds and one that can be grown in an intermediate house all the year. The flowers are produced in long pendulous racemes, which last about a week in perfection; the color is orange yellow, with white lip. Six additional good varieties will be found in D. Falconeri, D. Hildebrandtii, D. macrophyllum, D. fimbriatum oculatum, D. Devonianum and D. Brymerianum.

#### Three Fine Pyruses.

The pyruses made a singularly beautiful display at the Arnold Arboretum this year while they lasted, but severe wind and rain cut their season shorter than usual. Pyrus betukefolia, which is the subject of one of our illustrations, is a comparatively recent acquisition from the mountains near Pekin, China, and is not yet in general cultivation. The flowers are pure white, appearing in clusters before the leaves. The fruit is very small, rusty brown, resembling a Seckel pear in color. Apart from its good qualities as an ornamental tree, Mr. Dawson advocates it as a stock for pear grafting, especially valuable on light soils.

Pyrus baccata is the well known berry bearing apple. It is an early bloomer, following close on the cherries. When full grown it makes a shapely tree fifteen to twenty feet high, but it begins to bloom when very young and with its long stalked flowers of good size makes an attractive picture. It comes in innumerable varieties with fruit yellow, red or green. The plant shown in our illustration is a seedling raised by Mr. Dawson and called by him the Hillside variety.

Pyrus spectabilis floribunda Scheideckerii is a novelty received from Spaeth's famous nursery at Berlin a few yearsago. It is now about four feet in height and has bloomed every spring for three or four years. Mr. Dawson thinks it is a hybrid between P. baccata and P. spectabilis. The flowers are deep rose and are produced in great abundance. Its dwarf habit would indicate that its maximum height when full grown might be about eight or ten feet.

Another pyrus, of the Japan quince section, worthy of special notice is Pyrus Japonica pygmea. The specimen in bloom at the Arboretum is from seed gathered by Prof Sargent in Japan five years ago. It has bloomed already three years. The branches are reclining, almost trailing, the flowers clear orange vermilion, and the foliage soft and flexible, superior in many respects to the ordinary type of Pyrus Japonica

#### Toronto.

There was a large attendance at the Horticultural Society's June meeting in St. George's hall. I. McPherson Ross, president of the society, read an excellent essay upon "Herborcous Plants," and illustrated his remarks by an exhibit of great variety showing the many stages of the growth of the plants under discussion. George Wills displayed a number of seedling petimias and described everything in connection with their development.

The society will give a chrysanthemum show in the fall and will soon distribute a large number of plants to school children, offering prizes for the best specimens developed by the date of the exhibition.

#### The Florists' Bargain Counter.

ACCORDING TO CHICAGO IDEAS.

"We are now reaching out after retail business," said Louis Wittbold, who is in charge of the office at George Wittbold's handsome new establishment, "but I do not think we shall employ the bargain sale. I can see how special sales would be of great assistance to retail trade under certain conditions but as our wholesale business far exceeds our retail department we would feel that price cutting would be risky. We are probably the largest growers in the west of tropical plants and palms and ferns and if we should cut the retail price for a special sale we should at once incur the displeasure of other retailers who come to us for their stock. To be sure, we sell cut flowers over the counter and are doing a large and growing business in funeral and social work, but I think there are better ways of attracting customers than offering cheap sales. The best advertisement is a well pleased customer and we are endeavoring to do as extensive advertising as possible along this line. We gain an occasional order through neat invitations mailed to addresses in the Chicago Blue Book and we exert ourselves to please every such customer, not only the first time but every time. This is by far the most satisfactory trade to have and I am not sure that it could be obtained by an offer of bargains; in fact, 1 think that one first-class job of decorating for a largely attended wedding or dinner would bring more desirable patronage than would a whole year of bargain sales."

"Special sales have done me a great deal of good," said A. Lange, whose place of business is opposite the Palmer House, "and I believe that such sales, judiciously managed, will benefit any florist who is so situated that he has fair control of his field. It would not be advisable to start anything which would lead to price cutting between two adjacent dealers but a bargain never fails to attract all classes of people. I found that I could buy up a lot of stock, it made no matter what so long as it was cheap enough, make a big

display, put out a placard announcing the special price, and receive immediate response. If you once get a person to know your store he will come again. It may not be until some friend dies or until his wife gives a dinner but when flowers are wanted the man who has created a favorble impression by means of a bargain sale will come instinctively to the mind of the prospective purchaser. Of course an occasional buyer of a bargain will come back expecting to make other purchases at a cheap figure but a little diplomacy will send such away satisfied and thoroughly understanding the situation."

"No, sir! Never! You'll see us out of

business before you see us offering 'bargains,'" said Andrew Miller, of the Central Floral Company, and he ceased work upon two great bouquets of beautiful Lilium longiflorum, which he was preparing for the bier of one of Chicago's leading jurists, only long enough to empha-size the remark. "There never will be anything cheap about this place. Cheapness is now doing a great deal of injury to the trade and when it comes to such a pass that we cannot do a legitimate business we shall retire. This hawking of flowers about the streets is of incalculable damage, and not more so to trade than to the flower itself. If people who can and will pay good prices for good blooms find the flowers stuck under their noses at every corner they will not have them at any price. An illustration of this cheapening process is the downfall of Cape jasmines. When I started in business there was a good sale for this sweet scented flower at \$1.50 per dozen; to-day the street men are the only ones that can sell them at 15 cents. The department store bargain sale process of cheapening everything is hurting the grower just as it is the retailer. The dealers in good stock buy what they want of the commission man each morning and then the cheapsale man comes along and makes an offer for the balance of the stock on hand. He gets it, but what the grower gets is a question. There is too much inferior stock in the market. As soon as a man establishes a reputation for selling only first-



PYRUS BETULÆFOLIA

class goods, no matter what his line, he does not lack for well paying customers. Too many men have not the ambition necessary to establish such a reputation."

"If I should display a lot of flowers, cut blooms or plants, in my window and placard them with a price as low as I paid, I do not believe that it would attract half dozen new customers," said E. Hobbs, "and the probabilities are that nearly every bargain sale I should make would be to some one who would have paid me a profit had I not offered the bargain. I confess that this is merely theory and might not be at all applicable to a down town store but I think that a cheap sale would be of little aid to any store in a residence district. In fact, I think that the chief obstacle to profit making business is the cheapness of the stock sold by department stores and fakirs. The fakirs have cut off nearly all the profit in bed-ding plants this spring. They have been able to buy up considerable numbers of geraniums and other stock which they have peddled at \$1 a dozen and have even planted them out where it was necessary to clinch the bargain. They make very few sales which florists would not make at better prices were it not for the fakirs. Then the street men down town hurt the sale of cut flowers. It is very seldom that a day passes without some one asking in surprise, 'Why! Aren't you high? I can get them for 10 cents down town,' when I ask twenty-five cents a dozen for firstclass carnations. The average person fails to notice that the fakirs' stock is that which no florist wants. The fakir sells the leavings of the commission house; he pays no rent and does not even wrap up the flowers he sells, but average humanity expects me to put into a neat box good flowers wraped in tissue paper and deliver the package at a home a half mile away, at the street man's price. I don't see any way out of the situation. The fakir will do business as long as the commission man will sell to him and the commission man will sell to anybody at any price rather than have stock left on his hands. The only remedy seems to lie in a gradual improvement in the quality of stock sent in by the growers. Good stock will always command fair prices, but many growers, I fear, will always take what they can get for poor blooms rather than exert themselves to produce nothing but the best."

"Bargain sales? No. We've never tried them." said E. Weinhoeber. "I have never given the matter consideration but at first thought it does not appeal to me. Business has been excellent this spring; since Easter, in fact, we have had all that we could attend to satisfactorily, and I see no reason for resorting to any questionable method to gain trade. As a general proposition I do not believe that any high class establishment will derive benefit from resorting to department store ways of drawing a crowd. I am quite sure that bargains would be little temptation to our patrons. Bargains almost invariably mean poor stock and that is just what my people do not want. While I find little difficulty in selling good stock at reasonable prices some places may find special sales expedient, but I am too busy to view them in other than an unfavorable light."

"I am not a believer in cheap sales," said W. McCormick, who is an old time worker with W. J. Smyth, whose Michigan avenue store is one of the finest in the city. "Cheap sales are all right for some purposes but they would not do for us. At least that is my idea and I think that Mr. Smyth fully agrees with me. The



PYRUS BACCATA.

people to whom we appeal do not want cheap flowers; they want the best and are willing to pay what they are worth. Most of our customers buy more or less regularly. I do not think that they would be induced to buy oftener if special sales were offered and I fear that nearly every sale at a bargain price would be the expense of the regular trade. I think that Mr. Smyth will always be satisfied with a high class, legitimate business. Trade is very good this spring and the only difficulty we are experiencing is in obtaining first quality stock. American Beauties are now far from good. I do not think that the cheap sales and street men are hurting our trade, in fact they are causing many people to buy flowers who would otherwise never do so. Of course, it would be far better if there was no poor stock but so long as a large proportion of the product is below a high class grade it is better that there should be an outlet for the poor stock than that it should remain unsold to clog the channels of trade. Growers are gradually finding out that their profit increases with the quality of their stock and the result is an apparent improvement which we hope will be continuous.'

#### OTHER PHILADELPHIA VIEWS.

My next call was on a wide awake uptown florist, Chas. II. Fox, whose up-todate methods, bright advertising and enterprise have been favorably commented

upon Mr. Fox has two stores.
"Yes," said Mr. Fox, "we find special sales a good thing and run them regularly at our Columbia avenue store. We dispose of a great deal of surplus stock in this way. It enables us to buy more

liberally for both stores, and by so doing get concessions in price. We can keep a finer stock at our Broad street store, and whenever we have a surplus there we can run it off up-town. We apply the special sale idea only to plants. The public knows something about the price of plants, but has very little idea of the value of cut flowers. Prices are so fluctuating that stock worth 50 cents this week may be worth only 5 cents seven days from now. We therefore confine our bids for public patronage to the plant department alone."

"Would you be in favor of introducing the special sale idea in your Broad street store"

"No, sirree! We do not want anything of that kind down there. We have a first class clientage in that neighborhood, and we would soon lose our best trade if we were to institute any such method there. I know something of the class of trade it brings when you advertise special sales, and I certainly do not want that kind of business at our Broad street establishment."

It will be noticed that Mr. Fox's experience coincides with Mr. Cartledge's idea on the subject; namely, that the bargain counter idea might be all right for certain neighborhoods, but would be decidedly out of place for a store catering to a high-class trade.

"I thought that thing up some years ago," said John Wescott. "Some years ago, when I was with Pennock Bros., I thought we might try the bargain counter when we had a surplus of any kind of flowers. We might have a counter at one side of the store fitted up for special sales, all goods to be sold for eash, and

have a cash register there so it would not interfere with the other business. I think we could have made considerable money. probably \$200 or \$300 a day, and that it would be beneficial to the growers. It would accommodate a great many people who want only a few flowers. My idea would be to do as Wanamaker does when he has any bargains, to advertise them and let the people know it, and give them to understand that they only had the benefit of these bargains because there was a surplus of stock. I do not think that a bargain counter would hurt the standing of a high-class store 1 would tell the growers we did not want any poor stock on these bargain counters, nor would I offer at a bargain the pick of the stock. Many good customers would not go near the bargain counter, because they would think the stock would not be good, and others would soon find out that the pick of the flowers would be at the regular counter. I do not believe Wanamaker makes a great deal on what he sells at his bargain counter, although the department stores are hurting, and will hurt, the business of the retail florists until we will be forced to make a move toward meeting these things. These department stores are more progressive than our florists. About six years ago a book called the "Little Chatterbox" came out. It was published by Lippincott; their price was 50 cents. Retailers sold them price was 50 cents. Retailers sold them for about 75 cents, but Wanamaker sold them for 40 cents. The other people went to Lippincott and complained because Wanamaker had bought them lower than they had, and Lippinzott had to exhibit his books to show that Wanamaker

bought them for 50 cents. It was a big advertisement for Wanamaker and he sold ten other books for one "Little Chatterbox.'

"You think, then, it pays to take a leader and sell below cost for the sake of

getting the erowd?"

"Well, may be a little above cost. I think it really would pay, for people would probably buy something else. One should have cheap carnations and expensive carnations. The customers would look at those at the bargain counter and at the good ones at the regular price. They would pay the difference and be glad to

"Even the most liberal people want things cheap. Then again some people think that if they are not required to pay a good price for a thing that it is not good. The people coming in to the bargain table would go over to the other counter, that is, if it were in the same store, and ask questions. It would be a nuisance, especially in the busy season, and if you had a store next door for a lot of cheap plants and flowers, you could keep your first-class place in better condition. There is more than one side to the question

"Do you think that the wealthy people, who are rather exclusive in their ideas, feel like looking down on a store that has a bargain counter?"

"I do not really think so. Wealthy people often want something for one particular occasion. On a Saturday they want a few flowers to take to a friend, or to take home, but they do not always want something expensive. It is a great

deal better for a first-class store to sell at cost than to throw the flowers ont."
"Would it not be better to give them to

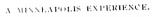
the hospitals rather than drop prices?

That is all in the hands of the growers. The grower sends his stock to the commission man and wants him to sell it. If he sends a large quantity and there is a glut on the market they have to be sold cheap. Lalways take it that as soon as you make a thing too cheap you make it undesirable. John Y. Smith, of Doylestown, said some years ago, that he was going to make roses so cheap that every working girl would be able to have them. He was injuring the florist and injuring himself. Just as soon as you make a thing too cheap the rich will not buy it. They want to wear something that the poor cannot afford.

"The right kind of competition is the life of trade By fair competition I mean that in which every one lives up to what he promises. When it comes to taking an order, and estimating on a wedding decoration one man would say he would do it very cheap, and promise that every-thing should be good; but the stuff would tring should be good, but the still would turn out to be poor. Of course the cus-tomer would be dissatisfied. There has been too much competition of this kind. Twenty five years ago, when there was not a great deal of plant decorations, they used to use camellias, carnations, and maybe old azaleas, anything to look a little green, to put on the table or to fill up the fireplace. That kind of stuff would be sent in a closed wagon and charged at ten dollars a load, when the stuff was not worth much more than that. Then after they got to using palms and other choice plants competition was and other choice plants competition was such that the price was not raised as it should have been. As soon as you get too much competetion it is the death of

trade.
"I believe that the growers would profit in the end if they would make an effort to regulate the quantity of stock in the market by holding back part of their cut when there is a prospect of an over-supply. So long as the growers do not do this the dealers must make the best use they can of the supply, and I believe that the bargain counter is a valuable agent for the consumption of the surplus."

G. C. W.



"I have been using the special sales for some time as a means for gaining new trade and have found that they have paid me well," said E. Nagel, of 824 Nicolett avenue, Minneapolis, "I have found that bargain offerings not only attracted a large number of people to my store upon the day of the sale, but that many of them came again on days upon which I offered no special inducement. As this is the chief aim of such efforts I may say that my special sales have accomplished their object in every respect. Best of all, I have found that special sales have helped regular business upon bargain days. I suppose that people attracted to the store by the cheap price of one article have seen something else which they preferred and have been willing to pay the regular price to obtain that which eaught their laney Cut flowers are the only things which we offer at special sales We aim to sell nothing but perfectly fresb stock and use a good quality of blooms for bargains but never so employ the very hest, those being reserved to make sales at regular prices. We never offer a special price without advertising it as thoroughly as our business will warrant in



PYRUS SPECTABILIS FLORIFUNDA SCHEIDECKERIE

the local columns of the daily papers, and we find that there is ready response from all classes of people. Very few people speak of having bought at cheaper prices when they come again for the same stock on other than bargain day. As a rule they expect to pay the regular prices, but when an occasional person expects to buy a second time at cheap prices he is usually satisfied by an explanation that the special price was for that day only.

Mr. Nagel's greenhouses comprise 10,-000 square feet of glass and are located in a good residence part of Minneapolis. His store is on one of the cleanest, broadest, busiest retail streets in America.

#### FROM A NEW YORKER'S STANDPOINT.

For the florist who raises the stock. himself, undoubtedly beneficial, especially if at a time when his product is too heavy for the ordinary demand. But for the florist who has to buy stock, apt to be injurious both directly and indirectly unless his financial condition is known to be such that no one will question his ability to pay his bills.

Bargain day is dear to the hearts of the shoppers, and if, when judiciously managed and properly advertised for just what it is, it has proved a sagacious business policy in other retail lines, then why not, also, in the florist trade?

#### Carnations.

There is considerable interest manifested in the solid bed system of growing carnations, on account of the saving of expense in benches and labor. While there may be certain sections or certain soils where this system may not be practical, experience will finally show that such places are few and far between.

Success can only be obtained by experience, as it would be impossible for anyone to lay down certain rules to follow which would bring good results in all soils; but one of the important points in this method is to have a house properly constructed for the purpose, and such a house I will attempt to describe. house was built in the summer of '96 and has been in use now two seasons. In it a great variety of carnations have been tried and the first failure has yet to be charged up against it. The house is 256 feet long by twenty-two feet wide. An even span runs directly north and south with a slope of two feet to the south in its entire length. This slope to the south gives it the benefit of the winter sun better than if it were perfectly level, and carries all the water to the south end.

It is heated by steam, from five 11 1-inch pipes that run the entire length of the house. The pipes are arranged along the side of the house, the first being directly under the gutter and the others following four inches apart on down the side posts. They are fed from the northwest corner of the house and run on down the west side across the south end and back along the east side where they connect with the return, thus making a continuous flow of 534 feet and giving ample heat for the coldest weather. Each pipe is supplied with a globe valve where it connects with the feed and a check valve (hinged) where it empties into the return, so that we can use one pipe or the five just as we see fit.

Along each side of the house is a path two feet wide and dug out to the depth of two feet, giving a good working path without throwing the side of the house up high enough to make shade to hurt the earnations. Next to this 2-foot path is a bed five feet wide, a path eighteen inches wide, another bed five feet wide, a path eighteen inches wide, still another bed five feet wide and the 2-foot path along the side.

This gives us fifteen feet of growing surface across the house. Some may think this is not enough out of twenty-two feet, but a very careful comparison of results shows that this house gives us more flowers per square foot of ground surface under glass, than by any other method in use, and in addition to this, the plants are far healthier and stronger in every way. The reason for this is very plain as it is conceded by all growers that to get the best results from earnations they must have an abundance of light and a free circulation of air. The beds are made directly on the subsoil, and consist of five inches of loose growing soil, to which manure is added as may be necessary. This gives us, after the compost has be-come settled by watering, about the same depth of soil as that ordinarily used on benches, four to five inches. The 18-inch paths are made by simply staking up boards six inches wide for the sides.

The construction of the house is also to be taken into consideration, as the object is to have as little shade as possible. used a very light cypress rafter twelve feet long for each side and a ridge that is one and one-half inches by six, merely heavy enough to hol therafters together and allow the ventilators to rest below its level. There are no center supports at all, but five feet from the ridge on each side of the house there is a run of 1-inch pipe supported by 1-inch pipe posts every eight feet. This is ample sup-port for the roof, unless it is clumsily heavy, where the snow storms are not very severe. The glass used is 16x24, double thick and of first quality. It pays to buy good glass. The ventilation is such as would amount to a continuous ventilator the entire length of the house three feet wide, only it is equally divided on the two sides. The ventilators open at the ridge and by having them on both sides one set can be opened no matter whether the wind is from the east or the west without passing a cold draught of air over the plants, which is as injurious to the carnation as it is to the rose.

It is my object, as the balance of the glass needs rebuilding, to throw my whole place into such houses as this, attaching them and leaving them open under the gutters the same as Dreer has done in his new houses and as I have done myself on a small scale for ten years past. When this is accomplished I feel that I can grow enough carnations for every dollar that is invested to meet the competition of any grower who is in the business for a living and pays his bills. We carnation growers have made some money in the past but the margin of profit is getting smaller every year, so that it will become an absolute necessity for us to use every possible means of cheapening the production and at the same time increasing the quality of our flowers.

ALBERT M. HERR. flowers.

#### New York.

MARKET REACHES LOW-WHOLESALE WATER MARK, -- FLOWER SHOW OF THE AMERICAN INSTITUTE.—BUILDING OPERA-TIONS AT MADISON, N. L.

There is very little to say regarding the wholesale market this week, as everything is at low-water mark. American Beauties are about done here, and will not be looked for until our over-supply from outdoors is disposed of. Jackshave been mostly called for of late, but hybrids

in general are bought only by the green Greeks. Brides and Bridesmaids, the few that are coming into this market, are very poor, and they are disposed of almost for the asking; any price goes.

Particularly red, were in their fullest demand this week. Recent events have taught the wise florist to grow them for early and late for this market. Carnations, indoor grown, saw their finish for this season this week, and it was a very poor adieu for such a prosperous White orchids have been called for frequently, but not as they were in "Ye olden time," for 15 to 20 cents were the top figures.

The Bridgeman Company had the decorations for the Koeder-Hayward wedding this week. White orchids and Dendrobium Jamesianum were used for the bouquets. Roses, paonies and palms were used profusely for the house decorations, in which Mr. Bridgeman displayed

artistic originality.

At the strawberry and flower show held under the auspices of the American Institute, 113 West 38th street, Wm. Turner, gardener to Mr. W. Rockefeller, Tarrytown-on-Hudson, exhibited three bunches of grapes, two of Black Hamburgh and one of Muscat of Alexandria, which weighed three pounds each; also a vase of Kaiserin Augusta Victoria roses, cut outdoors, which were acknowledged by all to be the best ever seen so early in the season. A. Herrington, of Florham Farms, Madison, N. J., showed some fine delphiniums, and also some Hemerocallis aurantica major, very showy, and a good flower for floral decoration.

L. A. Noe, of Madison, N. J., is building one house especially for growing his young rose stock. Henry Hentz, Jr., of the same place, has just added six new houses to his already large establishment. Beauties, Brides and Maids will be his specialties for the coming season.

PETER MACDONALD.

#### Philadelphia.

SUMMER QUIET PREVAILS. - KAISERINS GROWN SINCE EASTER.-JUNE MEETING OF THE PENNSYLVANIA HORTICULTURAL SOCIETY .- MANY FINE EXHIBITS .- MAN-DA'S NEW ROSES MAKE ANOTHER APPEAR-ANCE.

There is little that can be said about business for the demand is very light. There is plenty of stock but the quality is very poor. Prices are the same as last week and are about on a summer basis. Sweet peas are almost given away as 40 cents will buy 100 of the best flowers in the market and 15 cents is the price at which many are sold. Blooms are being cut from Kaiserin stock planted since Easter. The stems are rather short but the flowers are good. Crimson Ramblers in bunches have had a little sale at \$1.50 per hundred sprays and proved very useful for decorations. Water lilies, pink, yellow and white, are now coming in and sell at from \$3 to \$5 per 100.

Pennock Bros, have had a large tank made for their show window which, when filled with lilies, makes a pretty display.

The independent order of Greeks seems be increasing rapidly, keeping pace with the surplus and doing its best to come out ahead in every deal. They are the closest of buyers and keep the commission men on edge all the time.

The June meeting of the Pennsylvania Horticultural Society was a record breaker for a monthly show, both in point of attendance and in the display of flowers and vegetables. The H. A. Dreer Co. exhibited some twenty-five vases of

Japanese iris, a dozen or more of a kind to a vase, which made a fine display and attracted much attention. These flowers will no doubt become very popular as they are so showy and come in at a time when most of their garden companions are through flowering. The Andorra Nursery Company also sent a choice col-lection of these beautiful irises. W. A. Manda, of South Orange, N. J., made an exhibit of his new hybrid roses, Wichuraiana, crossed with teas and noisettes. There were vases of the varieties Evergreen Gem, Jersey Beauty, and Gardenia. This display caused much comment and was awarded a silver medal. They are an entirely new type of rose and will certainly be largely grown. A white cluster rose, a cross between Wichuraiana and a noisette, called Manda's Triumph is said to force well in pots and to be a fitting companion to Crimson Rambler. The individual flowers are as double and about the same size as the Rambler and are borne in clusters of much the same form. Mr. Manda also exhibited a bloom of the yellow calla, Elliottiana, and a new orchid, Ladia-Cattleya elegans Mandaiana. H. T. Clinkaberry was awarded a silver medal for Cattleya Harrisoma alba, the only known plant and a vote of thanks was tendered him for an exhibit of forty vases of orchids. A splendidly flowered plant of Bougainvillea glabra Sanderiana exhibited by John Hobson received a certificate of merit for culture. John Thatcher staged a few rare plants, one being Francoa ramosa nicely in flower, a bloom of the cradel orchid and also a vase of cypripediums. He also read a paper on the culture of dendrobiums, an abstract of which appears in another column. There were also some nice collec-tions of sweet peas exhibited for the II. F. Michell prizes and among the vegetables a number of plates of peas in the pod and heads of lettuce for prizes offered by II. F. Michell and the II. A. Dreer Co.
Philadelphians note that there are some bowlers in far away Omaha.

Scores of 170 and over area credit to any man, but they are hard to get when anything is at stake. The Evans cup looks very nice in the case at the club rooms along with some fifteen others, but we will willingly leave it in the west

next August if we have to.

#### Boston.

PAONY EXHIBITION OF THE MASSACHU-SETTS HORTICULTURAL SOCIETY WAS VERY SUCCESSFUL —SEASON NOT FAVOR-ABLE BUT MANY TIME EXHIBITS WERE MADE. -- NAMES OF THE PRIZE WINNERS. --THE ROSE AND STRAWBERRY EXHIBITION.

The unfavorable early spring caused the Massachusetts Horticultural Society to postpone for sevendays its annual parony show, but even the additional week failed to afford time for the late varieties to come into bloom. However, Horticul-tural Hall was well filled with excellent exhibits on June 18, and, as the exhibi tion is a widely appreciated event, the

attendance was large

The special prizes offered by Kelway & son, Langport, Lugland, for eighteen named varieties, single or double, brought out many bne flowers. The prizes were won by Dr. C. C. Weld, first, a silver gilt medal; and T. C. Thurlow, second, a bronze medal. Particularly good among by Weld scollection were Gen Carvaig nac, blush Lads Leonora Brantwell, dark rose Chas, Verdies, deep rose, Olobosa, blish Francois Ortegal, deep maroon, Model of Perfection, deep rose; Zephyrus, white and flesh color, Princess

Beatrice, rose; Agnes Mary Kelway, cream and blush; Blanche Niege, white. The most striking among Mr. Thurlow's collection were Baroness Schreeder, white and blush; Bridesmaid, blush white; Fostira Maxima, white, marked with red; Modeste Guerin, deep carmine pink; Jeanne d'Arc, cream white and blush; J. Descaisne, white guard petals and yellow filaments; Edward Andre, very deep crimson. There were also several single varieties that were handsome in their way.

In the contest for prizes for collections of double varieties T. C. Thurlow was first with a very fine display including eightyfive varieties. Dr. C. G. Weld was second and Geo. Hollis, third.

The prizes for named single varieties was won by T. C. Thurlow, first, and Geo. Hollis, second. For specimen blooms Dr. C. G. Weld took both first and second with Model of Perfection, deep rose pink, and Blanche Niege, white.

In the class for cut blooms on long stems arranged in vases for effect there were three competitors, Dr. C. G. Weld, Geo. Hollis and Mount Vernon Nursery, the prizes being awarded in the order

named.

Foxgloves made a fine showing and the prizes were awarded to John L. Gardner, Mrs. M. S. Walker and W. X. Craig, first, second and third in the order named.

Gratuities were awarded as follows: To Wm. II. Spooner for a display of roses which included several of the Lord Penzance sweetbriers and the new single rose, Hebe's Lip; to Mrs. E. M. Gill for sixteen vases of pæonies and a large display of hybrid roses; to James Comley for two large tables filled with rhododendrons, azaleas, paonies and foliage and flowers of ornamental trees and shrubs; to Oakes Ames for a display of hardy plants, including Heracleum giganteum in flower; to G. L. Clark for a display of hardy flowers; to Mrs. A. W. Blake for a display of hardy flowers; to the estate of los, S. Fay for rhododendrons and pagenies; to Rea Bros. for pyrethrums and other hardy plants; to W. N. Craig for a display of hardy flowers; to Wm. Nieholson for three fine vases of earnations, Daybreak, Eldorado and Mrs. G. M. Bradt.

R. and J. Farquhar & Co., exhibited a R. and J. Parquian & Co., Canada beautiful collection of double hardy pyrethrums, the finest ever shown here. were awarded a silver medal.

Oakes Ames was awarded a certificate of merit for a new variety of Cattleya Mendelli, very delicately shaded, named

Mrs. A. C. Ames.
T. C. Thurlow was awarded a certificate of merit for the new double syringa,

Philadelphus Lemoynii.

C. G. Roebling showed a cut spray of Cattleya Mendelli var. C. G. Roebling, with petals of a peculiar mottled rosyviolet color.

W. A. Manda showed four new roses, seedlings of his own raising, crosses between Wichuraiana and Minc. Hoste, Perle des Jardins and Metcor, which have recently attracted much attention. The first are in varying shades of yellow and are evergreen; the Meteor cross is a deli-

icate pink.

In looking over an exhibition of herbacoms paronies one is struck with the deployable condition of the nomenclature of the flower as regards the garden names. Probably many years of neglect and care lessness in naming are responsible for the It seems as though every dealer had named and renamed old varieties without consideration until one name is applied to anywhere from one to a half dozen different varieties, and one never

knows when he buys by name what he will receive. If the interest in the flower increases as it is likely to do they will need to be taken in hand, as the narcissi were a few years ago in England, for a general straightening out of names. If it could be accomplished it certainly would be a great convenience to both buyer and A. H. FEWKES. seller.

The annual rose and strawberry exhibition of the Massachusetts Horticultural Society, which was held on June 24, was superb as to the strawberries, weak as to roses and very good in other classes. About 400 quarts of strawberries were displayed on the tables, and they have never been excelled. The cold, backward season has retarded the roses and the date was several days too early to show them at their best. The display from the them at their best. The display from the estate of J. S. Fay filled one-half of the upper hall. Other large rose exhibitors were W. N. Craig, James Comley, J. L. Gardner, Mrs. E. M. Gill, Mrs. B. P. Cheney, Mrs. E. A. Wilkie, E. S. Converse. Wise M. S. Weller, Lee H. White Dr. C. Miss M. S. Walker, Jos. H. White, Dr. C. G. Weld, Mrs. A. W. Blake, Dr. O. S. Paige and W. H. Spooner.

Novelties were scarce. Wm. II. Spooner's Hebe's Lip and Lord Penzance sweetbriers and Walsh's Joseph S. Fay being the only ones noted. More admired than any others were Jackson Dawson's beautiful multiflora and rugosa hybrids, which received honorable mention.

One of the finest orchid groups seen here for years came from W. P. Winsor; miltonias, epidendrums and Cælogyne Dayana were superbly grown. J. B. Shurtleff, Jr., showed a geranium said to be a sport from Mme. Salleroi, more vigorous and with leaf more deeply cleft than in the parent variety. James Com-ley made a fine display of his hardy white seedling rhododendron. E. J. Mitton staged a dozen well-flowered fancy pelar-goniums. George Hollis exhibited two commendable seedling pivonies. John L. Gardner showed several handsome orchids. Robert Laurie had excellent chrysanthemums and tuberous begonias. T. C. Thurlow had eighty varieties of paronies on display, and John Jeffres and W. H. Cowing brought extensive collec-tions of Spanish iris. There were also large displays of sweet williams, fox-gloves, pelargoniums, gloxinias and other seasonable flowers from many other contributors, and the exhibition as a whole was exceedingly good, notwith-standing the inferiority of the roses. The public was admitted free. Among the visitors noted were Leonard Barron and A. T. Boddington, of New York; F. L. Atkins, of Orange; and D. MacRorie, of South Orange, N. J.

#### Topeka, Kans.

James Hayes, of College Hill, is confined to his couch by a knee which was recently severely injured by a kicking horse. Business has been so brisk with him this spring that he finds his illness irksome. He is making some improvements about his place, putting heat into the violet house and building an addition.

W. C. Graves had a successful rose sale this week, and reports spring business as

excellent.
M. J. Wallace is building a new house of a thousand feet of glass to meet the requirements of increasing trade.

Since Memorial Day trade has been quite dull, but this spring has seen a greater sale for bedding plants than ever before.

M. J. WALLACE.

#### THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday,

Address THE AMERICAN FLORIST CO., Chicago.

Louis Schmutz, of Brooklyn, N. V., celebrated his silver wedding June 21.

L'ELIA-CATTLEYA ADMIRAL DEWEY WAS exhibited recently in London. There is evidently one Englishman who knows a good thing when he hears about it.

JET BLACK ROSES, so long considered impossible of production, have, it is announced, made their appearance in Russia. Mr. Fetisoff, an amateur of Veronezh, is said to be the originator of the plant which bears them.

THE new Lilium rubellum lately exhibited for the first time in England has made a very pleasing impression. It is apparently very free flowering and the plant is said to resemble a slender L. auratum. Color a palerose or rosy pink.

JOHN MORRIS, gardener at Forest Park, St. Louis, has "remembered the Maine" by an ornamental bed representing that famous battle ship. Another new decoration in the park is a huge shield-shaped bed in which in bold letters is, "Dewey,

REFERRING to our report of the American Carnation Society's convention, an Australian contemporary remarks: a list of standard varieties submitted to the conference over 100 are enumerated, and of these hardly a dozen probably are known to Australian growers. This suggests isolation from American growers so far as this particular flower is concerned. and there seems no good reason why more intimate relations should not be established between nurserymen of the two countries, which would doubtless prove to be of mutual benefit."

#### Fumigating With Sulphur.

Constant advice is given to fumigate houses with sulphur after they are cleared. This is a most excellent thing to do, but before burning the sulphur the hose should be put on and the whole honse thoroughly wet down inside, roof and all, reaching every crack and cranny possible. The water absorbs the fumes of the sulphur and earries them into the dirt and so reaches the depths of many cracks that the dry fumes would not reach.

#### Obituary.

Julian L. Huss, of Augusta, Ga., died on June 1, from injuries sustained by being thrown from his carriage while driving a spirited horse. Mr. Huss was a native of Lausanne, Switzerland, where he learned his business, going from there to Geneva, thence to Paris and next to have a present at Cleater. Low's nurseries at Clapton, England, where his brother J. F. Huss, now of Lenox, Mass., was employed. After two years at Low's and a year at the Royal Botanic Gardens. Kew, and Cambridge

he came to Augusta. During the fifteen years he has been engaged in business there he made many warm friends by his kind and amiable disposition and did a prosperous business. He leaves a brother and his mother, the latter being in Switzerland and now nearly 90 years of age. Mr. Huss never married.

#### Cut Flower Price Lists Received.

Holton & Hunkel Co., Milwaukee; Wm. F. Kasting, Buffalo; Cincinnati Cut Flower Co., Cincinnati; Bassett & Washburn, Chicago; Louisville Supply & Exchange, Louisville.

#### Greenhouse Building.

St. John, N. B.-Wm. Shand, rosehouse 20x100, commercial house 17x70.

Helena, Mont.-State Nursery three rose houses 16x130, cold house 10x50, 75 foot extension to palm house. Madison, N. J.—L. A. Noe, house for young roses. II. Hentz, Jr., range of six

rose houses.

Council Bluffs, Ia.—J. F. Wilcox, five houses each 24x70 and three houses 24x2 = 0.

#### Brooklyn.

The sixth annual picnic and promenade of the Greenwood Florists' Employees Association was held at Almer Park, Gravesend Bay, N. Y., on Wednesday, June 15. On entering the spacious grounds each lady was presented with a bunch of flowers, and the gentlemen with boutoniers of carnations. At nine o'clock in the large pavilion, the orchestra, behind a bower of flowers, rendered the grand march which was participated in by 150 couples led by James Hession, president of the association, and Miss Waller. After the march dancing was indulged in until the march dancing was indused in until the small hours of morning. In a smaller pavilion a piper and fiddler discoursed excellent music. All had a good time, especially so at "Camp Black." The flowers were donated by Messrs. Condon, Weig and Micoulagh. Weir and Kromback.

#### Detroit.

Harry Balsley, of the Detroit Flower Pot Manufactory, has been elected president of the Board of Park Commissioners, an honor of which he is thoroughly deserving. Mr. Balsley has traveled extensively in the interest of his firm and has visited many parks, few of which possess greater natural advantages than Belle Isle Park, which now comes under his management. As the city is at present expending considerable sums in the improvement of the parks and boulevards Pres. Balsley will be afforded a fine opportunity to display his managerial and artistic talents. On his travels "Harry," as Petroiters all know him, has gained a wide acquaintance among florists, all of whom, we are sure, will congratulate our city upon his selection as head of the park system. A. D. M.

#### Baltimore

THE BUSINESS SITUATION.—THE WEATHER. -MARYLAND HARD LUCK STORIES TERSE-LY TOLD.

There is nothing very cheering in the present condition of business. Plant sales are practically over for the season and the market men, who ought to know about plant sales, if anybody does, seem generally inclined to pronounce it a had season; slow sales and low prices. One florist, to close out his stock, sold 1500

4-inch pot geraniums for \$15, and stories of similar sacrifice sales are sufficiently numerous to show rather a demoralized market. At such times as these it is some consolation to know that others are as badly off, and the prices the vegetable gardeners have received for their two chief crops at this season, strawberries and peas, make one, if not glad to be a florist, at least glad not to be a truck farmer. Only fancy growing, gathering and marketing green peas at 12 cents a bushel, a price at which thousands of bushels have been sold to the canning houses this month.

The weather is very dry and crops of all kinds will suffer unless we have a drenching rain soon. Prices of cut flowers remain unchanged, and, indeed, there is little probability of a rise for some time.

MACK.

#### Louisville, Ky.

The Kentucky Society of Florists will give an unusually claborate picnic at Anchorage, Ky., near C. Rayner's Rose View greenhouses, on August 4. Extensive preparations are being made for the event, and business will be generally suspended on that day. The best band in Louisville will be in attendance and there will be all kinds of sport on the grounds, which will be reached by hayracks after a trip on a special train. The committee on arrangements is C. Rayner, S. J. Thompson and H. Kleinstarink.

Business has been very good here the past week. There has been no over supply of stock, and fair prices have prevailed.

#### Canna Nomenclature.

ED. AM. FLORIST:-We notice in your issue of June 11, under the head of "Canna Nomenclature," that A. Blanc & Co. claim the name of Admiral Dewey for their new canna on the ground of priority in publishing said name. We would like to say to the readers of the American Florist that when we learned that A. Blane & Co. had gone to considerable trouble to hold that name, we immediately waived all claim to it. But we do think that in a case of this kind that priority alone should not establish the right to its ownership, but that the merit of the plants in ques-tion, as new and distinct varieties of value, should have great weight in arriving at a decision. We would be willing to submit our plants on this basis.

THE CONARD & JONES CO.

#### How to Get Government Bonds.

ED. AM. FLORIST:-By special request of Secretary Gage, one of your contemporaries publishes a circular telling all about how to get a bundle of Uncle Sam's nice new bonds—that is, all about it, except one thing. The secretary forgets to tell us how to get the \$20, and the careless editor overlooks it and fails to supply the omission.

omission.

I have long wished to own bonds and cut coupons (I think the wire shears would do the cutting, on a pinch). The only bonds I ever had anything to do with were peace bonds, and I had to give them-never mind why, it is not a pleas-

ant remembrance.

Now about these other bonds, I want one awful bad. Please, Mr. Editor, tell me how to get the 820? The secretary evidently expects all of us florists to buy, and the editor of the other paper seems to be backing his friend the secretary right up, or, perish the thought, was it only a case of a column and a halt of gratuitous reading matter

#### The Latest Swindle.

From a variety of places reports have recently come of swindles perpetrated in the manner practiced upon L. E. Marnuisce Syraguse N. V. Lune 17

quisee, Syracuse, N. Y., June 17.

A well dressed man rented eighteen palms in the name of one of Mr. Marquisee's good customers. The florist's delivery wagon was met near the customer's home and was escorted to the rear entrance to the grounds, where the plants were left, the swindler having previously asked and obtained permission to leave them there "while he was delivering to customers in the neighborhood." After the wagon had gone the man and an accomplice peddled out the plants, at the best bargains they could drive, and vanished. The whole transaction was so like ordinary methods that no one's suspicion was aroused until Mr. Marquisee telephoned next day to his eustomer to inquire at what hour he should call for the palms

#### Chicago.

COMMENCEMENT WEEK PROVES A BOON TO FLORISTS.—ROSES ARE OF POORQUALITY. CARNATIONS ARE ABOUT DONE.—SWEET PEAS AND P. CONIES IN FAVOR.—NOTES AND COMMENTS.

With cut flower dealers, the past week has been one of the busiest of the year. Somewhat less flowers have been on the market than during the preceding seven havs, and the demand has slightly improved, not enough, however, to materially affect prices, except on the better grades of stock. Good roses of all vari-cties are searce. American Beauties have been most in demand, and all grades, except the extra long stemmed, are higher A few very good outdoor Jacks are in the market and find ready sale at \$2 to \$4 per hundred. Meteors, Perles and Kaiserins have all sold well. A large proportion of the Brides and Bridesmaids are of such poor quality that they are practically worthless. Longiflorum lilies and piconies have been plentiful. Klehm's Nursery and A. Kennicott, two of the largest paeonia growers, report the sale of paronies last week to have been about 25% larger than they were for the corresponding week of last year. Carnations have not been in large supply this week, and have sold out well, in fact not in two years has there been a time when the wholesale houses were cleaned out so early, and so regularly as they have been in the past two or three days.

Carden flowers have been in good supply and have sold well, sweet peas being the inverties of this class and about the best selling flower in the market. Enormous quantities have been disposed of during the past week at from 25 to 40 enes per 100. The demand for flowers for school commencements this season has been fully up to that of any previous ear. A much larger stock has been on the market and lower prices have premied. After this week the stock of roses ed arrations will be greatly reduced, as litheold stock of roses that have been heal to produce a crop for this week will a critical thrown out or dried off prepartor to replanting. The heat has about 15 as for the carnation plants in the gree houses and but lew flowers can be peried of them hereafter.

Fer Buetther and family will leave 4 Cera trip through Lurone, cona case rewith Mr. Buetther's busi 11e. say from New York on the

Hint is en oving an outing at

Friedman & Allen, Michigan avenue and Jackson boulevard, have sued every person connected with the management of last winter's big horse show in an endeavor to collect \$170 for flowers used for the decoration of the stalls of Joe Patchen, Star Pointer and Elloree.

Visitors: H. M. Sanborn, Oakland, Cal.; R. E. Evans, Salt Lake City, Utah; J. Zoellner, Oak Grove Greenhouses, LaCrosse, Wis; Thomas Meehan, Jr., Philadelphia.

Isaac Friedman, of O. J. Friedman & Bro., will sail for Europe July 2.

#### London.

GREAT SUMMER SHOW AT THE TEMPLE GARDERS.—CRIMSON RAMBLER ROSE VERY POPULAR.—NEW MALMAISON CARNATIONS.—JACKMAN'S HYBRIDS OF CLEMATIS COCCINEA—NEW FERNS AND AZALEAS.—VALUABLE ORCHIDS STOLEN.

The great summer show held at the Temple gardens under the auspices of the Royal Horticultural Society was a great success this season. This gathering has now become one of the most important This gathering has horticultural events of the season and brings together a big assemblage of the eraft. Although exhibitors are under a disadvantage owing to the limited space. all classes of plants were well represented and it would have been difficult to have made better use of the space. Orchids as usual were a great feature, but not quite so extensively shown as on some previous occasions. Roses were well shown and among them some fine examples of Crimson Rambler. This has proved one of the most valuable plants for florists' work of recent introduction. No doubt we shall get more growers to take it in hand in the future, but at present it commands a higher price than almost any flowering plant in the market. H. B. May has been one of the most successful growers,

A group of Malmaison carnation Prinress of Wales was a great feature of the show and carried grand blooms of a deep rose pink on plants of remarkable vigor. These came from Leopold de Rothschild. Messrs. Cutbush also showed some good varieties of Malmaison. And Chas. Turner had some good things in carnations. Tuberous begonias were well shown by several exhibitors. A marvelous advance has been made especially in the double varieties. A most interesting teature of the show was a large group of phyllocacti, including a large number of hybrid varieties, which showed a great diversity of bright colors. If these would only stand well they would soon be great favorites with florists. The above came from James Veitch & Sons, who also showed one of the finest groups of caladiums I have ever seen.

A very pretty exhibit of sweet peas came from one exhibitor, about fifty varieties including some very distinct colors Clematis were wonderfully well shown by Messrs, Smith & Co., of Worcester. These are well worth more attention for florists' work. Two year old plants of the C patens type are the best for small pots, they always flower freely; and only require a little extra warmth to have them in early in the season. Messrs. Lach man's hybrids of Clematis coccineasere very interesting, but they require torther improvement in point of color before they will be of much value to flo n ts. Messrs, Sander & Co. staged a the group, the chief feature being their m & Acalypha Sanderiana - I think there o a great future for this plant. I underconduct flowers as freely in winter as in countraind the long racemes of rich

crimson are well shown off with bright green foliage. I shall be disappointed if this does not prove a useful plant. Ferns were well shown by three growers, but few novelties appeared.

Mr. May's new phlebodium was an exception. This is a variety from P. glaucum with broad pinnæ deeply lobed along the margins, the lobes overlapping each other. This was certainly one of the greatest novelties in the exhibition. Pteris Drinkwateri, an improved form of P. major, is certainly a good fern and will take the place of Ouvrardii which hitherto has been the best variety of P. cretica major, and one of the most popular ferns we have for market. Messrs. Cuthbert staged some fine hybrid varieties of Azalea mollis which should prove valuable for florists work. A great variety of hardy flowering plants were exhibited but in a limited space it is not possible to refer to all the good things seen.

A most regrettable incident occured at the close of the show, one exhibitor having some very choice orchids stolen. I am told that one of the plants lost was valued at three hundred guineas, or about \$1,500.

Holborn.

#### Passing Events in Denmark.

The question of trade schools for young gardeners has for several years been under consideration by the Society of Danish Gardeners (the term "gardener" embracing all branches of the trade) and schools were started in Copenhagen and Odense in 1896. As now arranged they are evening schools and operated during the five months October to February, two winters making one course. The teaching embraces: "General Instruction in Horticulture," "Management of Nursery and Orchard," "Culture of Flowering and Ornamental Plants," "Forcing Fruits and Vegetables" and "Drawing." The school terminates with an examination, the result of which is published in the organ of the society, and each graduate receives a diploma recognized by the society.

The intention with these schools is to give the young members of the craft the much needed theoretical instruction in as cheap and good a way as possible. The tuition fees are very low and the time, from 7:30 to 9:30 four evenings a week, enables the young men to attend to their regular duties and yet have time left for study. In order to obtain good books for these trade schools the committee in charge offered generous prizes for each course, the chief demands being conciseness and clearness, and in this way excellent mannals were obtained.

The young men show a praiseworthy interest in this work, and to foster it the instruction is made as interesting as possible. Once in a while some of the veteran horticulturists visit the schools to see how things are progressing and to give some good practical advice and relate interesting incidents of their experience. The schools here referred to have no relation or connection with the government horticultural school, which is a more scientific institution, while these are intended for the practical gardeners in general.

The horticulture of Denmark suffered quite a loss this spring in the death of Professor of Botany Joh. Lange, at the advanced age of 80 years. He was a very able man. From 1856 to 1876 he was director of the botanical garden and connected with the royalhorticultural school from 1858 to 1893. He was one of the

founders and for a long time one of the presidents of the Danish Botanical Society. In 1856 he was chosen to continue the great national illustrated botanical work, "Flora Danica," which had been in preparation during the reigns of six kings, and he succeeded in completing it. In addition to this he was a prolific writer on general botany.

The old question of fewer hours and more pay has been giving some trouble in some of the commercial places in Copenstrike, about one-fifth of the employes leaving work. The difficulty was, however, soon settled, the men in most cases getting what they asked for.

The season so far has been cool and rather wet, but with sufficient dry weather for sowing and planting, and the present prospects are in favor of bountiful crops.

H. HANSEN.

#### St. Paul.

The last month of the season for the florist business finds trade good and everything encouraging. A brief retrospect of the season shows that fall trade was fairly good, chrysanthemums selling well both as cut flowers and as potted plants. Winter trade was excellent; the mild weather reduced coal bills quite materially and increased the crop and every-thing sold at good figures. While the spring was cool and backward, it was favorable to trade as a whole. Trade at Memorial Day was very satisfactory. In the cut flower line, stock was abundant and of good quality. Outdoor stock was not plentiful here and this helped to maintain prices. Carnations werein good demand, also roses, lily of the valley, gardenias, etc. The cemeteries were laden with flowers and potted plants and the heroes were remembered as never before. Following close after Memorial Day was the first batch of June weddings and after them came the commencements, where every sweet girl must have from one to twenty bouquets and baskets of flowers. This, with the usual amount of funeral work, has kept most of the brethren busy,

A few days of hot weather has hurt the roses considerably and good stock is not plentiful. Some good carnations and sweet peas are coming in, while some choice auratums-the queen of all the lilies-are now in the market.

In the plant line, nearly every one is cleaned out of salable stock. This is a good index to the season's trade, though there is the usual amount of grumbling about low prices, etc. A great many plants are sold at the stands at the city market, where rent and other expenses are very light. A few of the growers, and some of those with the best stock, were foolish enough to cut prices at the beginning of the season, thus injuring their own trade as well as that of others. Good 4-inch geraniums have sold this season as low as 75 cents per dozen, although the average price at retail was from \$1.25 to \$1.50. Pansies were the best sellers, with geraniums, heliotrope, ageratum, vincas, etc., in good demand. Cannas have sold well and are becoming more popular each year for bedding purposes and massing on the lawn.

L. L. May & Co., handled several thousand cannas this year, including the standard varieties as well as several of the novelties. In the reds, Bouvier and Pierson are the favorites. In yellow Count DeBouchard is far ahead up to date, with Souvenir d'Antonin Crozy as a great improvement over Queen Charlotte for that type. Burbank produces immense trusses of bloom of pure yellow which fade very quickly. Champion and Duke of Marlboro show up in magnificent form and are real acquisitions. Klondike is an elegant plant with a pretty bloom of very large size. Maiden's Blush is a new and distinct color in the canna family, which should become very popular unless it fades badly.

Work at the parks is progressing rapidly and should be finished in a week or ten days. A great many cannas have been planted, which should produce a grand effect later in the season. Hardy stock is just now at its best, pæonies, weigelias, syringas, snowballs and roses being in the zenith of their flowering period.

C. A. Smith, of Minneapolis, was a C. A. Smith, of Minneapous, was a recent caller and reports a very gratifying spring trade. He is just completing his order with the park board which called for upwards of 50,000 plants.

A. S. Swanson of St. Paul, has opened a branch store in Minneapolis and is

doing a nice business there.

G J. Krowell, of C. J. Speelman & Sons, Holland, was a recent visitor and reports a very gratifying trade in all lines of bulbs.

J. E. Killen, representing C. H. Joosten, New York, dropped in recently. He had a well filled order book and reported business as booming.

Fred. Bussjaeger contemplates erecting three new rose houses this season, each 20×60 FELIX

#### Omaha.

At the monthly meeting of the Nebraska and lowa Florists' Club, S. B. Stewart, seedsman and florist, of Omaha, was unanimously chosen as superintendent of exhibits at the S. A. F. meeting to be held here in August.

J. F. Wilcox, of Council Bluffs, Ia., is looking forward to increased trade in business as he is extending five houses 24x130 which he built last year, making them 24x200 and building two additional ones  $24 \mathrm{x} 200$  and also a violet house of the samelength. They are all built on modern principles, with butted glass with zinc joints. He will use 50,000 feet of glass 16x24.

Rose stock in this locality is generally in very good condition.

Members of the Florists' Club are putting in considerable time in practice bowling and are making some fair scores. Here is the score made June 21:

|                  | 1st. | 2d. | 3d. |
|------------------|------|-----|-----|
| A. Donahue, Sr., | 188  | 150 | 130 |
| J. F. Wileox,    | 159  | 177 | 157 |
| Louis Henderson, |      | 138 | 155 |
| Glen Hodson,     | 154  | 117 | 132 |
| A. Donahue, Jr., |      | 175 | 167 |
| J. H. Hadkinson, |      | 138 | 142 |
| R. H. Davey,     | 164  | 137 | 173 |
| George Swoboda,  | 1.58 | 148 | 212 |
| S. B. Stewart.   | 151  | 105 | 134 |
| George Zimmers,  | 113  | 135 | 149 |
| P. Paulson,      |      | 131 | 179 |

The horticultural and floricultural display at the Trans-Mississippi Exposition is keeping up well under the spell of warm weather. California, Missouri, Illinois, Iowa, Nebraska and Oregon fruit growers are well represented by their native fruits. California has a display of oranges. Missouri, Illinois, lowa and Nebraska each have a splendid exhibit of apples. Nebraska heading the list with sixty-two distinct varieties. Illinoisfruit is highly colored and the arrangement of the same with mirrors for a back ground gives a pleasing effect. Oregon as yet is not fully represented as her season is just commencing. Kansas and Colorado and several other states are preparing to make a fine display.

The floral display is being augmented daily. Among the leading exhibits is that of W. J. Hesser, of Plattsmouth, Neb., a fine Cycas circinalis and a very large Agave Americana. The aquatic exhibit of Dreer & Co., of Philadelphia, is making a good showing, several nympheas being in blossom. The Victoria regia is showing up well and now making good

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1888 is entitled to a five-line want adv. free to be used at any time during the year.

OlTUATION WANTED—Have had 12 years' experience with roses and keneral greenhouse work.
Single. Address B i01, 401 Girard Ave., Philadelphia.

SITUATION WANTED—Sept. 1st by a No. 1 palm Sartist with a general knowledge of floriculture. Stitctly temperate and reliable; no tobacco; single man. For particulars address 1 %. care American Florist, thicago.

SITUATION WANTED—As working foreman, by a hirst-class grower of roses carnations, mums, etc. A so a .cod sil all-round man; German, single; Hyears experience. Sober and reliable Best of references Address B. Scheller, Standish, Kita.

SITUATION WANTED—By successful rose grower, who d voted all his lifetime especially to rose culture; competent to take entire charge commercial place. To sultable parties the greatest satisfaction assured.

PRACTICAL ROSE GROWER
42 Peorlis St., Chicago.

WANTED-Two men to work in greenhouses; state wages wanted with board. Address
Box 913, Peorla, III.

WANTED-An assistant grower to take charge when necessary. State experience and wages expected. Address WK care Am. Florist.

WANTED TO LEASE-3000 to 5900 feet of al us and dwelling house, in New England or in New York State; in town of 15,000 or more population. Address S, care American Florist, Chicago.

FOR SALE CHEAP-Oaly greenhoose in town of 4000 in Southern Michigan. Good reason for selling. Address C. H. Pick, Hudson, Mich.

FOR SALE-First-class retail stand, about 5000 feet of glass; new. Has never paid less than \$1300 per year net. Will require \$1000 cash, balance time at 6 per cent. Reason for selling, falling health. Address ILLINOIS, care American Florist.

FOR SALE—Four greenhouses, nearly new, splendld retail stand, near business center in residence district on road to cemetery, paved street. Terms easy. Must ratire on account of poor health.

A CLAUS, 505 N. 4th St., Springfield, Ill.

HOR SALE—Three No. 16 Hitchings, 2 Smith & Lynch bollers in good condition. Also a lot of 4-inch cast pipe as good as new, and a No 10 Furman boller, been used one season. Apply to DAVID SMITH, Box 201, Wellesley, Mass

FOR SALE:
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5% So. 1st St. Cripple Creek. Colo

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TEXAS SEED & FLORAL CO., Dallas, Texas.

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Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading Forcing Stock. Give us a list of your wants and we will quote same.

DON'T FORGET THAT WE ARE STRICTLY IN IT ON SUPPLIES OF ALL KINDS, SEEDS, BULBS AND CUT FLOWERS.

# VAUGHAN, McKELLAR & WINTERSON, 45, 47 and 49 Wabash Ave., CHICAGO.

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so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our Illustrated Catalogue.

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| CHICAGO. June 24.                |
|----------------------------------|
| Boses, Beautiesper doz, .75@2.50 |
| " Brides 1.00@ 4.00              |
| " Meteors, Kaiserins 1.00@ 4.00  |
| " Bridesmaids                    |
| " Gontiers, Perles 1.00@ 3.00    |
| Carnations, common               |
| " fancy 2.00@ 3.00               |
| Marguerites                      |
| Lily Oratum 8 00                 |
| Harristi, Callas 2.00@ 4 00      |
| Lily of the valley               |
| Sweet peas                       |
| (fladiol) 4.00ka 6.00            |
| Adlantum                         |
| Smilax 8.00@10.00                |
| Asparagus                        |
| Pansles                          |
| Pæonies per dozen25@ .50         |



WHOLESALE GROWER OF ROSES.

DEALER IN CUT FLOWERS.

### J. A. BUDLONG

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Meteors ...... 21g-in. 3.50 Brides ...... 21 g-in. 2.50

American Beauties, 21g-in. \$4.00

4- ..... 3-in. 3.50 30.00 Bridesmaids ..... 21g in. 2.50 20.00 4. ..... 3-in. 3.50 30.00 Testout..... 21g-in. 2 50 22 50 Belle Siebrecht ..... 21g in. 22.50 Pres. Carnot...... 21 grin. 2 50 22 50

La France .... 24g in. 2.50 20.00 Perle..... 21g-in. 2.50 22.50

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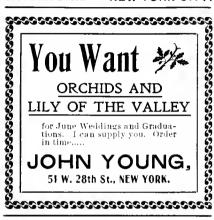
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# Wholesale Flower Markets

| NEW YORK, June 22.                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Roses, Beauties. Hybrid         2.006/16/00           "Bridesmaids, Testouts, Brides         506/3/00           "Morgans, Meteors         506/2/00  |
| Carnations                                                                                                                                          |
| Harrisii                                                                                                                                            |
| Aaparagua       40.00@50.00         Cattleyaa       40.00@50.00         Pæonlea       50.00                                                         |
| BOSTON, June 22.                                                                                                                                    |
| Roses         Beautles         5.00@15.00           " Morgans         M+teors         2.00@4.00           " Brides         prides         1.00@5.00 |
| Carnations     .25@ 1 00       Lily of the valley     .2.0@ 3.00       Cornitowers     .50@ 1.00                                                    |
| Harristi     3 10/6 ± 00       Sweet peas     .10 € 20       Smliax     .12.00@ 15.00                                                               |
| PHILADELPHIA, June 22.                                                                                                                              |

| PHILADELPHIA, June 22.        |  |  |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|--|--|
| Roses, Beauties               |  |  |  |  |  |  |  |  |
| " Jacqs 1.00% 3 00            |  |  |  |  |  |  |  |  |
| " Teas 2 (0@ 6.00             |  |  |  |  |  |  |  |  |
| Carnations 1.10               |  |  |  |  |  |  |  |  |
| Paronles 2 00@ 4 (0           |  |  |  |  |  |  |  |  |
| Lily of the valley 2 00@ 4.00 |  |  |  |  |  |  |  |  |
| Harrish 1.00@ 6 00            |  |  |  |  |  |  |  |  |
| Sweet peas 40.@ .75           |  |  |  |  |  |  |  |  |
| Cattleyas                     |  |  |  |  |  |  |  |  |
| Smilax 15.00@ 20.00           |  |  |  |  |  |  |  |  |

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#### Buffalo.

THE CROPS AND THE MARKET.-VISITORS. -A TRIP TO LANCASTER,-WORD FROM WARRIOR GEORGE STEPHAN.

The supply of carnations still keeps up and the quality is good, but in about another week the crop will be virtually exhausted, and the fortunate grower whose crop holds out can then get his own price. Paonies are nearly all passed. Sweet peas are in over-supply and are not in much demand. There is some fine iris coming in from Brookins, of Orchard Park; the colors and quality are unusually good. The sale of flowers is about one-third what it was in former years because the schools do not allow flowers to be sent to the halls. Still, orderscome in for the better quality of flowers.

George Asmus, formerly of Buffalo, but now with Herman Schiller, of Chicago, paid us a visit last week. He is looking well and evidently enjoys the breezes of

Lake Michigan.

A visit to Lancaster last week found W. J. Palmer, Sr., busy building new houses and overhauling the old ones. When the improvements are completed it will be worth any one's time going out to see his place, which Mr. Palmer is always pleased to show to visitors. If the owner is absent his general super-intendent, B. S. Myers, will always be found ready to do the honors. S. B. Smiley's greenhouses are being repaired and new benches are being put in for early planting.

The florists in the vicinity of Pine Hill have had a busy season with vases for the several cemeteries out that way.

George Stephan, an employe of Wm. Buechi, has gone with the 65th Regiment to fight for his country, and in a recent letter from him reports good health. W.

Marshall.Town, lowa.—E. M. Van Schaick has sold out his business as Riverside Floral Co., and will endeavor to settle claims

# Asparagus Plumosus Nanus.

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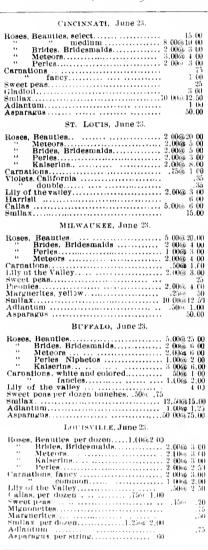
# N. Y. CUT FLOWER EXCHANGE

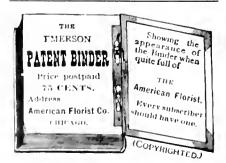
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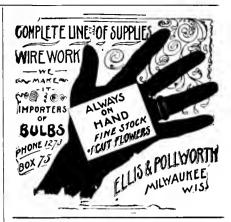
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#### St. Louis.

THE WEATHER, STOCK AND TRADE.-RE-PLANTING WELL UNDER WAY.—CARNA-TIONS ARE LOOKING WELL.—VIOLET GROWERS ARE RESORTING TO THE USE  $\bar{\varphi}$ 

During the past week trade has been mainly due to commencement exercises and to weddings, which seem to be coming on later than usual this season. Continued warm weather has had its effect on stock. Sweet peas have been steadily growing poorer and are about over for the season; carnations are getting smaller and smaller, and the only good things in roses are some of the better summer varieties, such as Kaiserin and Testout.

Replanting is under full swing and most growers are getting their stock in from two weeks to a month earlier than usual, having found the growth last season extremely unsatisfactory on late planted stock. Carnations in the field are looking well, they have nearly all had one topping; owing to the abundant moisture, they have broken well and promise to make good plants. Violets are also looking well with the exception of the small single variety, which with some growers is not standing so well as is Maric Louise. Quite a number of growers are carrying violets in pots, expecting to get an earlier crop of flowers than from the field-grown stock, which last season, owing to the dry summer and fall, was very late in coming into flower. It is to guard against a repetition of the shortage that pot violets are being tried.

The committee appointed by the Florists' Club to arrange for our annual outing, have about decided to hold it at Croeve Cocur Lake, some time during July. Fuller particulars will be arranged later R. F. T.

MACOMB, ILLS.- J. B. Keefer is about to erect a fine greenhouse upon the site of the old Normal building.

#### NEW TRAIN SERVICE TO BUFFALO.

Nickel Plate Road train No. 6, from the Van Buren street Passenger Station, Chicago (on the loop), 2:55 p. m. caily, with Buffalo sleeper arriving in that city at 7:40 the following morning. Through New York sleeper on same train, via Lackawanna Road, Buffalo to New York, arriving early the next evening. Three through trains daily, at convenient hours, to ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston. Rates lower than via other lines. City ticket lower than via other lines. office. 111 Adams street and Auditorium Telephone Main 3389. (33) Annex.

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will be pleased with a ride to Buffalo and return over the Nickel Plate Road Choice of water or rail between Cleveland and Buffalo, within final limit of ticket. on or address J Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. Telephone 3389 Main. (29)

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Through sleeping cars between New York and Boston and St. Louis and Chi-cago run every day. For further information apply to the nearest Railroad Ticket Agent, or to

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Now Ready! The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada arranged both by States and Post Offices and all names Alphabetically. Price \$2.00 In Flexible Leather Binding, revised to 2 0000 by

revised to date with upwards of 3,000 New Names

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#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. A L. BROOKE, Pres : E ALBERTSON Vice-Pres.; GEORGE C SEAGER, Rochester, N. Y., Sec'v.

THE largest and oldest nursery in Europe is said to be that of the Messrs. Spaeth, of Rixdorf, Germany. It comprises 700 acres, 680 of which are planted with stock which includes practically, all the trees and shrubs which can be grown in that climate. The business was established in 1720 by Christopher Spaeth and has remained in the hands of the Spaeth family and in direct line continuously from father to son through five generations. The annual output of the Spaeth nurseries consists of 500,000 standard fruit trees, 300,000 dwarf fruit trees, 3,000,000 ornamental trees, 6,000,000 shrubs and 500,000 conifers.

#### The Park and Outdoor Art Association.

The second annual convention of this society was in session at the West Hotel, Minneapolis, June 22, 23 and 24. There were nearly fifty members in attendance, including park superintendants, landscape architects and lovers of nature from New York to Salt Lake and from Duluth to New Orleans. In the absence of Pres. J. B. Castleman, of Louisville, Vice-President L. E. Holden, of Cleveland, presided

and appointed the following committees: Auditing—E. J. Parker, Quincy: T. W. Kelsey, New York; Dr. W. W. Folwell,

Minneapolis.

Publication—O. C. Simonds, Chicago; J. C. Olmsted, Boston; J. A. Ridgeway, Minneapolis, and Secretary Manning, Finance—L. E. Holden, Cleveland; E. B. Haskell, Boston: J. H. Patterson, Day-

ton, Onio.

Resolutions—Secretary Manning, Lewis Johnson, New Orleans, G. Wahl, Milwan-

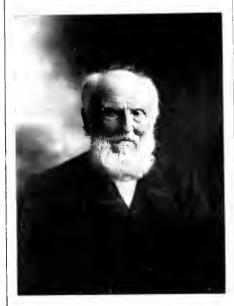
The several sessions were made noteworthy by the presentation of a number of eminently practical papers by men of wide experience. The social features of the convention included a reception by Mayor Fratt, of Minneapolis, a reception by the Minneapolis Improvement League, a ban just at the West Hotel, excursions by carriage through the park systems of the Twin Cities, and a trip to St Anthony park, where the Minnesota State Horticultural Society was in session.

Detroit was selected for the next meet

#### Franklin Kelsey Phoenix.

As man more thoroughly deserves the esteem of his fellow workers than does Franklin K. Phonix, who is probably the oldest nurseryman in America, having embarked in business at Delayan, Wis., in the Spring of 1812. Mr. Phornix was born in Perry, Gen-esce county, N. V., in March, 1825. His parents removed to Wisconsin in March, After a decade of business activity Mr. Pho nix started a branch nursery at Bloomington, Ill., where he concentrated his efforts from 1854 to 1877. After four years of mactivity here embarked in business at I clavan, where he is now completing his fifty seventh year of horticult anal endenvor. In 1850 Mr. Phænix man ried Miss M. L. Topping of Darien, Wis They have four sons and two daughters. The eldest son, Samuel T, served four years with J C Vaughan, and is now min ng in Utah. The second son, I. S., is the only one to adopt his father scalling as his lib s pursuit. He is now proprietor of the og 10% omingtommir er v started in 1852

Despite the weight of his seventy-three years, Mr. Phoenix is energetically proseenting business undertakings and enjoys a thriving trade. He handles general nursery stock but makes a specialty of hardy roses grafted on a native stock



FRANKLIN KELSEY PHŒNIX

procured from selected seedlings. He believes this to be the stock of the future for this country. His years of experience have taught him that it has all the merits of the imported stock, with the decided advantages of being hardier and "working" easier.

### EOD CALEL 8 FOR SALE!

Extra line plants of American Beauties in 1-tuch pols; also line stock of Meteors low-for eash — Address

COLE BROS. PEORIA, ILL. BOX 577. PEORIA, ILL. ?

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### **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING, The Reading Nursery, READING, MASS. PONTABLISHED 1854

#### EVERGREENS, Etc.

20,000 American Arbor Vitas, 2 to 8 feet specimens and hedging plants.

5,000 Pyramidal Arbor Vitas, 2 to 4 feet.
20,000 Compacta, Globe and other dwarf Arbor Vitas, all sizes.

3,000 Nordman's Silver Fir, 1 to 2½ feet.

2,000 Enropean Silver Fir, 2 to 4 feet.

5,000 Hemlock Spruce, 1 to 4 feet.

10,000 Norway Spruce, 3 to 8 feet.

10,000 Retinosporas, Squarrosa, Plumosa, Plumosa aurea and other sorts, 1 to 5 feet.

10,000 Pines, Austrian, Scotch, Excelsa, White and dwarf varieties, all sizes.

1,000 Enonymous Japonica, 18 to 36 inches.

2,000 Enonymous radicans variegata.

1,000 English Holly, 1 to 4 feet.

3,000 Mahonias aquifolia and Japonica.

3,000 English Ivy, strong plants.

Prices low. Correspondence solicited.

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For Fall '08 and Spring '00 Delivery A SPLENDID ASSORTMENT OF

#### FIELD-GROWN HARDY ROSES

Clematis, Ornamental Shrubs and Trees, Pæonies, Merbaceous Plants, Small Fruits, Fruit Trees.

Price list ready in July.
Special quotations gladly submitted by letter.

#### Jackson & Perkins Co. New York, New York

PRIMULA-Florist strain, trade pkt. 50c; double trade pkt \$1.00.

PANS1-Mitting's Glant Flowering, dorlst strain, trade pkt 50c; double trade pkt 75c, or <sup>1</sup>4 oz \$1.00.

PANS1-German. trade pkt 25c; double pkt 40c, or <sup>1</sup>4 oz 50c; loz \$2.00.

CINERARIA Hybrida-Trade pkt. 50c; double trade pkt. \$1.00.

Above seeds have been tested and found 9t per centure 18th 50c.

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Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

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MORRISVILLE,

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#### Azaleas, Roses, Rhododendrons

New and rare hardy plants for forcing Moveltles in Ferns (raised by the largest London grower). The newest and best varieties of roses, H. P. and Ten scented from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the neumand from Canada and New England States.

F. Brunton & Co. IMPORTERS & EXPORTERS OF NEW AND RARE PLANTS. 136 Boylston St., BOSTON, MASS. 

10,000 Seedling Ampelopsis

Fine plants from sood bod, \$5.00 per 1000. Cash with order. Will exchange for small

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# ESTABLISHED EMIL STEFFENS SUCC. TO INSTEFFENS. WIRE DESIGNS & SUP 335 EAST 21ST ST. NEW YORK CITY.



A LIVE AND RELIABLE CORRESPONDENT

WANTED in every live city in the world. We enable you to deliver flowers by telegraph. A profitable convenience. For particulars, write

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# Single Forcing Tulip

WHITE, SHADED WITH BEAUTIFUL ROSE COLOR.

THE "UP-TO-DATE" FLORISTS' TULIP.

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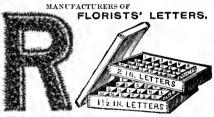
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# Boston Florist Letter Co.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters. 1 % or 2-inch size, per 100, \$2.00. Script Letters. \$4. Fastener with each letter of Script Letters. \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

NEW CROP arriving daily, \$150 per 1000 Discount to wholesale jobbers. Prince's Plac. (ic per lb. Hendquarters for Galax Leaves Laurel festooning, 4 to 8c per yd. Laurel and Prince's Plne Wreaths for Decoration Day, made to order. Hine green Moss in bbis, \$100, in sacks, 75c. Our goods are always the best to be obtained for the money. Prompt attention onli orders. Sead in your orders now for Ferns for Decoration Day and you will be sure to have them

#### Crowl Fern Co.

27 Beacon Street, - BOSTON, MASS.

BRILLIANT GREEN AND BRONZE

#### GALAX LEAVES,

For Decorating and all Florists' Designs CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

# SMALL GREEN

For use with.... VIOLETS

Stiff, wiry stems. Work up beauutiflly Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

HARLAN P. KELSEY, 1150 Tremont Bldg., - BOSTON, MASS.

# HARDY CUT FERNS

Garay Leaves, Cut Faim Leaves, bouquet green, Moss (sphagnum and green), Laurel Roping, Xmas Trees; everything in the green line always in stock at

H. E. HARTFORD'S, 18 Chapman Place.

### John Conley & Son,

#### TIN ROLL

2 AND 4 DOMINICK STREET,

New York.

# SHADING Weather Proof Paper, ready for use on sash or greenhouses, Viexcelled for Palm, Fern or outlast plant bed cloth considerably. Comes in rolls about 16 pounds in which, 38-inches wide, 25 yards PAPER long at NEI \$2.50 the roll.

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#### H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS SUPPLIES on application. To For the trade only.

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50, 52, 54 and 55 N. 4th St., PHILADELPHIA, PA.

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A Complete Catalogue for Florists. Send for One.

**ELLIS & POLLWORTH** MILWAUKEE, WIS.

# Rice & Co.

Exclusive Importers and Manufacturers of....

# Florists' Supplies

25 N. 4th Street,

PHILADELPHIA, PA.

# Black Ants...

Easily and thoroughly exterminated by navnon poisonous and odorless powder. Results guaranteed,  $\beta_2$  & 1-th, pkgs.  $\beta 6$  and  $\beta 9$  per doz., 10 per cent disc. 4, 0, 0. Boston

GEO. H. RANDALL

American Florist. WELLINGTON, MASS.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

#### THE SEED TRADE.

#### AMERICAN SEED TRADE ASSOCIATION.

EVERETT B. CLARK, Pres.; Jus. A. Botgiano, lst Vice-Fres. S. F. Williamp, Wethersfield, Conn., Sec y and Treas.

Connecticut growers now report drought.

MR. CHARLES P. BRASLAN is enroute to California.

THE Salzer advertising car is now at the Omaha Exposition.

Mr. Jos. A. Bolgiano, not F. W., was elected first vice-president of the American Seed Trade Association.

J. C. BUCHER & Co., seedsmen, Atlanta, Ga., have suspended payment. Their business has been closed by the sheriff.

Mr. AND Mrs. A. Rhotert will sail for Europe on the Pennsylvania to Hamburg June 25 for a two months trip.

E. V. HALLOCK and family, with Miss Mary E. Martin, sail June 25 for a trip through Ireland, Scotland, France, Switzerland and Germany.

RECENT advices indicate that the wet spring in Holland has injured the hyacinths, and that bulbs will likely be higher in price at delivery time, and not as large as last year.

CANADIAN pea and bean growers report crop conditions in their section and in northern New York as being favorable to There has been plenty of rain with no damage, but it is still too early to make any definite forecast.

OWESSBORO, KY .- A chrysanthemum show will be given here in the middle of November. The premium list was issued some days ago and no plants will be awarded prizes unless the exhibitors owned them on June 15.

# COLD STORAGE VALLEY ALWAYS ON HAND.

81.8 of 2500 pips, extra quality, \$25.00; per 4000 \$42.00

sl.s of 3000 paps good quality, \$25.00; pa poor \$10.00

CLUCAS & BODDINGTON CO... 501 & 503 West 13th St., NEW YORK CITY.

# SEEDS LAWN GRASS \$12.00 per 100 lbs.

Finest Quality Ever Offered Retails at 30c lb.

J. CHAS. McCULLDUGH, SEEDSMAN, RECLEANER AND JOHNER GRASS SEEDS Perthetal Second & Walnut Sts., Cincinnati, O.

send for Illustrated Catalogues.

#### BURPEE'S **SEEDS** PHILADELPHIA.

Whose are Prior Last for Florists, and Worket Gordeners

BEST OF ALL' TOMATO
"ENGLISH" MELONS

FLOWER SEEDS FOR FLORISTS

WEEBER & DON, Seed Merchanta and Growers. 111 Chambers St., NEW YORK, N. V.

#### <u>Հորդուսուսուսուսունը անագրանական արանական արանական անձան Հ</u>

# MIS-STATEMEN

NDER date of Boston, June 14th, Jos. Breck and Sons Corporation intimate a mis-statement in our recent letter to the trade. The following extract from a contract existing between the Braslan Seed Growers Co. and Jos. Breck & Sons Corporation, would seem to be the best evidence of our rights and has been accepted as conclusive by the U.S. Postmaster at Chicago after a careful hearing.



"The said Charles P. Braslan and Sherman W. Callender, under the firm name of Braslan Seed Growers Co., or any Corporation which shall be organized by said Braslan and Callender or by either of them under the name of Braslan Seed Growers Co., shall have the right after May 1st. 1898 and so long as said Charles P. Braslan shall be connect d with said firm or corporation, of describing themselves or itself as successor of the Chicago Branch of Jos. Breck & Sons Corporation with the right to open all mail addressed to the Jos. Breck & Sons Corporation at Chicago and with the right to appropriate and have the benefit of all such mail matter pertaining to the crop of 1898. But inquiries or communications relating to seeds of which the Chi-6300 Franch of Jos. Breck & Sons Corporation had a surplus on June 1st. 1898, are to be forwarded to said Jos. Breck & Sons Corporation at Boston until such time as said surplus shall be disposed of."

We turn over to that Corporation all such mail not of interest to us and frankly admit that our agreement applies to 1898 crops-As the Braslan Seed Growers Co. propose making their first season's deliveries of new crop seeds should we receive, which we hardly anticipate, inquiries for seed crops of 1897, 1896 or other

earlier years, we will freely pass the same to Jos. Breek A Sons Corporation at Boston or their successors, as already arranged for,

My foreier customers, friends in the trade and others who may expect to require seeds of THIS SEASONS CROP on a basis of close contract prices are cordially invited to correspond with Yours Truly. the undersigned as above.

CHARLES P. BRASLAN.

# $oldsymbol{\pi}$

# BEST QUALITY, LONG MADAGASCAR

Grafting Wax

Trowbridge's Celebrated Grafting Wax, the gennine article, 1 ll. lurs at 18e; ½ lh. lurs at 29e; ½ lh. lurs at 29e per pound. Relates: 10 ll. lots, 5 per cent: 25 ll. lots, 10 per cent; 50 ll. lots, 15 per cent. 100 lb. lots, 20 per cent. Address all orders and correspondence to Juniper and Walnut Streets, Philadelphia, Pa.

# Seed Stores and of the stores 
#### THE WALKER FERTILIZER CO. Clifton Springs, N. Y.

A MIS-STATEMENT in a circular recently addressed "To the Trade" over the signature of Mr. Charles P. Braslan, induces us to state that neither Mr. Braslan nor the socalled Braslan Seed Growers Co. has any interest in our Chicago mail, except in such letters as pertain to 1898 crops.

TO AVOID DELAY or error please address inquiries and orders requiring prompt attention from Chicago to Mr. A. J. M. Joiner, our manager in Chicago, at No. 12 North Clark Street.

All other letters concerning our past or present business in Chicago, and all remittances, should be mailed to our Boston office.

#### JOSEPH BRECK & SONS,

componation)
for Charles 16, Breck, Treas.

Roston June 11 1898.

# X PANSY X

The finest of nil the Ginnt flowering varieties to be had. No better grown: carefully selected; very large flowers, or perfect form and choice colours. All my florist customers probe this strain very lightly: requires no better evidence of superiority. Every florist should be sure to sow of it this season. For trade jet of 400 secols \$0.00; half pkt, 50c. A pkt. New Forget Me Not. Jewel, "with every order

JOHN F. RUPP, Shiremanstown, Pa.

We like to have you tell our advertisers that you read our paper.

# NOW READY!

FULLY REVISED TO DATE The-

American Florist Company's

36

# DIRECTORY

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3,000 NEW NAMES હ્રસ્ટ OF હ્રસ્ટ

# Florists, Nurserymen 3 Seedsmen

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UNITED STATES AND CANADA AR-RANGED BOTH BY STATES AND & & POST OFFICES AND ALL NAMES & &

# **ALPHABETICALLY**

PRICE TWO DOLLARS.
IN FLEXIBLE LEATHER BINDING, THREE DOLLARS.



# American Florist Company,

324 DEARBORN STREET, CHICAGO, ILL., U. S. A. &

#### Watertown, N. Y.

OTTINGS FROM THE CITY OF PARK-LIKE LAWNS .- TRADE IS EXCELLENT .- WHAT THE GROWERS AND RETAILERS ARE DOOKG

The weather has been very favorable this season for bedding stock. There has been no frost or cold storms and there has been just the right amount of rain. Watertown is a city of fine lawns, the streets being broad and the residences not crowded together. There are few fences and the city is practically one large park. The planting of palms, bay trees and hydrangeas in the lawns, with occasionally a small bed of coleus, geraniums and other bedding plants, adds very much

to the park-like appearance.

A. Stockle, the Ten Eyck florist, has almost finished bedding out. He has a large trade in this line and in addition fills hundreds of vases, window-boxes and baskets. He has charge of the bedding at Brooksides, Watertown's beautiful city of the dead, and his work there has attracted the attention of thousands.

Green & Underhill, of Munson street, are pushing their large wholesale business and their plant is a hive of industry just

W. A. Clark & Son, of State street, do a large business in bedding plants and have had to work night and day of late to keep up with orders, but they are now nearly through and are expecting the calm which always strikes the florist about July 1.

W. K. Skeels, the downtown florist, is planning several improvements and will not be satisfied until he has the most complete small plant possible. He is building up the best cut flower and funeral trade in the city and realizes that a neat and attractive office and sales room are essential. He reports the most successful season since he started in business five years ago. W. P. Darby

P. Darby reports his violets looking well. Mr. Darby has had phenomenal success for the past two years and his plants are in better condition now than ever before.

Geo. N. Sayles also devotes his houses to violets. He had great success for several years, but for the past two winters they have not done quite so well. George will catch them right again, though, for he is not one of the give-up-easy kind.

# Good Stock to Fill Benches Now.

JOHN H. LEY, Good Hope, Washington, D. C.

A can serve hipson to shift on at once these have such a shipson fit thick \$3.00 doz (res.) Castley a few himself in a major a feet 30.00 doz (few) Pain a few himself in 20.00 doz (few) Pain a few himself in 20.00 doz (few) Pain a few himself in 30.00 doz (few

# Dutch Bulbs

HYACINTHS. TULIPS. CROCUS, ETC. RUDOLPH VAN TIL & CO., Hilliegom, Holland,

L. C. BOBBINK, Rutherford, N. J.

ASK FOR CATALOGUE. Mentior, American Florist

**JULY TO** 

Lil. Harrisii. Freesias. Calla Ethionica. KENTIA PALM SEEDS.

SEPTEMBER TO

LIL. LONGIFLORUM.

#### DUTCH BULBS,

AZALEA INDICA.

Eend for NEW Price List. -Address

H. H. BERGER & CO., (Established 1878) 220 Broadway, NEW YORK.

#### AUGUST=

Roman Hyacinths, Narcissus.

# FLOWER SEEDS.

OCTOBER, NOVEMBER

Auratum, Rubrum, Album, Etc.

Pæonies, Spiræas, Valleys, IRIS.

C SPECIAL DISCOUNT on Orders Received Prior to August 1st.

# Kentia Palm Seeds

Fresh Seeds of Kentia Belmoreana and Forsteriana by the case of 5000 Seeds received direct from Australia. Price \$17.50 net cash, F. O. B. New York. Prices for large quantities on application......

### Australian Palm Seed Co.

ROOM 52. 🚜 🧸 🥦

90 Nassau Street, NEW YORK.



J. L. SCHILLER,
ast 34th Street, NEW YORK CITY. 404 East 34th Street.

# Good Stock! Low Prices!

CANNAS Strong plants of Alphonse Bondale, Paul Marquant, Wm. Elliott Bisson, See, Stewart, Flamboyant, \$4.00 per 100; \$35,00 per 1000

COLEUS Crimson Verschaffeltii, Golden per 1001, \$18,00 per 1000.

Geraniums Double Gen, terant and S. A. Nutt. 21,2-inch pots. \$3.60 per 100, \$28.00 per 100, extra good, 1-inch pots \$7.00 per 100, \$65.00 per 100, Cobica Scandens, 4-inch pots . \$6.00 per 100.

JOHN SCOTT, KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

Bougainvilleas Glabra A Glabra Connection and the free A continuous forments from Jam to July The bracks (John Lange 2014) and the cartenedy contaile on plants or in cut spents. A small stock of plants will from a profitable investment for an information of the continuous flories for decorative material. We miss? Julians for \$1.00. For \$1.

tash with order order THEO. S. BECKERT, Clenfield, Pa., Endles below l'Ittsburg

following importation: Cattleya labiata, C. Mossia, C. Ladia purpurata and Miltonia Candida.

LAGER & HURRELL, - Summit, N. J.

RICHMOND, INDIANA.

#### Cycas Revoluta Stems

Popular sizes, 3 to 6 lbs each. ..... 10 cts. per lh.

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Sprengerii
S5.00 per 100.
Cash with order. Seedlings
American Rose Co., Washington, D. C.

# Asparagus P. Nanus (true)

JUST THE THING FOR FERN DISHES. 10,000 Plants. Per hundred. \$2.50, or \$20.00 per thousand.

Cash with order from parties unknown to me.

LOUIS ULLRICH, Tiffin, Ohio. Wholesale Grower of Cut Flowers.

# **Rose Hill Nurseries**

ARGEST Growers of Palms. Orchids, L Stove and Greenhouse plants, Ferns, Aragearius, Pandanus.....

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

#### THERE ARE BUYERS

For all kinds of good stock advertised in

THE AMERICAN FLORIST.

#### Port Chester, N. Y.

WESTCHESTER COUNTY GARDENERS' ASSO-CIATION MAKES A SUCCESS OF ITS FIRST EXHIBITION,-NOTES OF THE SHOW.

Fehr's opera house was the scene of an excellent exhibition of roses, herbaceous and other plants on June 17 and 18. The show was given by the Westchester County Gardeners' Association and was County Gardeners' Association and was the first exhibition of this character ever held in this district. The largest prize winners were Hicks Arnold, Andrew Grierson, gardener, and Hobart Park, W. Harvey, gardener. Both gentlemen had remarkably handsome as well as numerons exhibits. James M. Constable, Wm. Anderson, gardener; and Mrs. Tashel, Robert Jenkins, gardener, also captured several prizes. Clio was the best flower in the hall in the hall.

There were splendid exhibits of hardy perennials from Hicks Arnold, Hobart Park, J. M. Constable, Robert Mallory and the Osborne estate, most noticeable among them being Delphinium hybridum, Coreopsis Harvest Moon, double pyreth-rums, campanulas, Henchera sanguinea; Centranthus ruber and sweet william in in fine sorts.

In foliage plants Jas. W. Quintard, G. X. Amrhyn, gardener, took most of the prizes. The Osborne estate sent in a lot of well flowered geraniums in well grown specimens and a small collection of truits and vegetables attracted much attention.

In the non-competitive groups T. R. Pierson & Co., staged a fine display of cut roses and decorative plants and W. A. Manda, of South Orange, showed his new hybrid evergreen roses, crosses between R. Wichnraiana and Perle, Hoste and Meteor, which received a first-class certificate of merit.

Batavia, N. Y.—S. H. Russel has sued Nelson Bogue for \$275 for wire fencing. Mr. Bogue claims that Russell owes him \$414 for nursery stock.

# Asparagus Sprengeri

50 000 Plants in 2½-inch pots, \$5 00 per 100. express: 24 for \$1.50 by mail. Specimens for 8-in. pots, \$6 00 per 12.

A. BLANC & CO., Philadelphia

# COCOS WEDDELIANA

1 plant 4-in. pot 15-18 inches high, 40c 1 plant 5-in, pot 24 inches high,

JOSEPH HEACOCK,
WYNCOTE,
Philadelphia, Pa.

# For FLORISTS.. For SEEDSMEN.

### VAN ZANTEN BROTHERS.

HILLEGOM, HOLLAND.

Azaleas

THE FINEST STOCK IN THE WORLD

Palms **Bay Trees** 

SANDER, BRUGES, BELGIUM.

AGENT:

Araucarias A. DIMMULK,

**NEW AGERATIM** 

# **Princess** Pauline!

A MOST distinct and novel variety of dwarf compact habit, rarely exceeding five inches in height, its peculiarity being that both colors, blue and white, are combined in the same flower; the body of the flower being white, while the stamens are of a light sky blue, giving the flower a pretty, variegated appearance; one of the most distinct new bedding plants that has come under our observation this season

\$1.25 per doz.; \$10 per 100.

For a full line of SEASONABLE DEC-ORATIVE and BEDDING PLANTS see our current Wholesale Catalogue.

If you want the very finest strains of CINERARIAS. CYCLAMEN, PANSY, PRIMULA, Etc. get our stock. New crops ready end of June.

HENRY A. DREER, 714 CHESTNUT STREET, PHILADELPHIA, PA.



A LARGE SHIPMENT OF &

**Sweet** rees

(Laurus Nobilis)

Ir Standard and Pyramidal Form. Ask for price list.



Rutherford, N. J.



# Now Ready

THE American Florist Company's DIRECTURY of Florists, Nursery men and Seedsmen of the United States and Canada arranged both by States and Post Offices and all names Alphabetically. Fully revised to date with upwards of 3,000 New Names, Price \$2.00; in flexible leather binding, \$3.10.

American Florist Company,

324 Dearborn St., Chicago, III., U. S. A.

#### A New Rose.

A new red rose raised by Messrs. Alexander Dickson & Sons, Ireland, and to be sent out jointly by Ernst Asmus and Robert Scott & Son (for the firm which raised it), has only been spoken about in an undertone, occasionally amounting to not much more than a whisper; but a few days ago Alexander Scott (of Robert Scott & Son), E. G. Hill and Robert Craig were speaking about it quite freely, as though everybody knew all about it, or if they did not, it was about time they did.

Without hesitation it was stated to far outdo Meteor in the production of high quality blooms. The color is also superior, retaining that velvety crimson shade-so much admired in a rose by everybody-longer than does the variety which it is expected it is destined to supersede. It was also stated that it is not so full of petals as Meteor, which may make it less valuable as a summer rose; but that fact should not be against it for winter blooming, provided, of course, there are enough petals in it to give it the appearance of being double, and at the same time to retain its bud shape long enough to satisfy retail buyers.

Alexander Scott has planted, or is about to plant, 500 at his new place at Sharon Hill, Pa., which is only fourteen minutes ride from Broad street station, l'hiladelphia, and four minutes' walk from the station at Sharon Hill to the greenhouses; so that we may confidently expect that many pilgrimages will be taken out there during the coming season by the growers hereabouts, who will want to see how the newcomer is behaving itself. Mr. Asmus has a larger number than Mr. Scott, but how many I have forgotten. This new rose has been have forgotten. given the name of Liberty.

#### Pittsburg.

The cut flower trade in this section of the country has fallen off greatly in the past two weeks, and if it were not for funeral work and school commencements the florists could all take a vacation. The stock of flowers is very abundant. The quality is good and the few buyers are getting great value for their money.

The plant growers are about through with the rush in their line and all are well satisfied with the season's business, which has been the best they have had

for several years.

The interest in the S. A. F. convention at Omaha is increasing, and from present appearances Pittsburg and vicinity will

be well represented.

E C. Reineman has left for a short sojourn at Mt. Clemons, Mich. His many triends hope he may succeed in getting rid of the rheumatism, which has been troub-ling him for some time. REGIX.

#### ROSES! ROSES!

Brides, Perle. Wootton, Maids, Kaiserin and M. teor (2010) 83 00 per 100 835 00 per 1000 Brides, Wootton and Metenr, from 3-10 35 00 per (425 00 per 100)

and shear 1000 rates. Cash with order

ROBERT F. TESSON, St. Louis, Mo.

SURPLUS STOCK

BRIDES RRIDESMAIDS.

W. H. WORKMAN

OSWEGO, N. Y. Cash with order

YOUNG

# ROSES

**PLANTS** 

|                 | From 212-inch Pots. |        | Per 1000 |
|-----------------|---------------------|--------|----------|
| <b>AMERICAN</b> | BEAUTIES            | \$4.00 | \$35.00  |
| BRIDES          |                     | 2.50   | 20.00    |
| METEOR          |                     | 2.50   | 20,00    |
| PERLE           |                     | 2.50   | 20.00    |

TERMS CASH WITH ORDER.

#### J. A. BUDLONG, 37-39 Randolph Street, CHICAGO CHICAGO, ILL.

# ROSE PLANTS

#### AS GOOD AS CAN BE GROWN

We have the following Rose Plants, the same stock as we have planted in our own houses, still on hand and for sale. We guarantee them to be first-class in every respect. . . . .

| 7000 | Am. Beauties212     | -in. po | ts | \$5.00 |
|------|---------------------|---------|----|--------|
| 600  | Kaiserin3           | **      |    | 5.00   |
| 600  | 21,2                | 6.4     |    | 3.00   |
| 4900 | Bridesmaids $2^1_2$ | t e     |    | 2.50   |

FIRST COME—FIRST SERVED.

#### WASHBURN, Hinsdale, III.

# Forcing Roses.

Choice, clean, healthy stock, such as we are now planting for our own use.

200 BRIDESMAID. 500 BRIDES. 300 SUNSET. 300 PERLE.

500 METEOR.

3-inch pots, \$5 00 per 100.

200 TESTOUT, 3-inch pots, Per 100 \$6.00

1000 PERLE. 3 2½-inch pots, \$3.60 1000 BRIDE.

\*\*\*

L. L. MAY & CO.,

ST PAUL, MINN. ......

#### AMERICAN BEAUTY

Fine young plants healthy and strong  $-9t_2$ -meh pots, \$8.00 per 100, \$70.00 per 100

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, with order PHILADELPHIA, PA. Money Order Office, Station II Phila

# ROSES..

2-in. per 100 3-in. per 100 \$5.00 Am. Beauties . . Perle . . . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

# Memorial Rose

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON. MORRISVILLE, Bucks Co., PA.

#### YOUNG ROSES

OF the 20,000 Young Roses advertised last week we have only 8625 left. They are BRIDES, MAIDS and METEORS, from 20g-inch pots, in fine order. You can have them for \$3 per 100; \$25 per 1000 Will take 1,200 Perles in evenange. Also for sale. No. 16 second-hand Hitching Boiler......

THE FLORAL EXCHANGE, 614 Chestnut St., -PHILADELPHIA.

# FINE ROSE STOCK

FOR PLANTING, Out of 3-inch pots. METEORS, VICTORIA KAISERIN, MAIOS, BRIDES, BELLE STEBRECHT, PERLES A D BEAUTIES. Write for prices. Send 50c. or \$1.00 for sample lot of what you want to

GEO. A. KUHL, PEKIN, ILL.

# Chrysanthemums

plants from 2-inch pals. Send for price list. Discount on large orders. . . .

H. WEBER & SONS, Oakland, Md.

You can do more than Pay Your Rent by Advertising your Surplus Stock in The American Florist.

# but strong vigorous stock, American Beauty, and dent Carnot, Kaiserin, Meteor, La France, Per condition from 3-inch pots \$\tilde{a}\$ \$8.00 per 100. If you have a strain fine stock. Strong 3-inch \$\tilde{a}\$ 10.00 per 100; \$85.00 per 1000. Write for prices on large quantities.

American Beauty, Carnot, and Testout from 4-inch pots, in extra fine shape a \$15.00 per 100.

Bridesmaid, extra fine, 3-inch pots @ \$15 per 100; \$125.00 per 1000.

Also the following varieties, not grafted,

but strong vigorous stock, American Beauty, 3-inch (a \$10.00 per 100; \$80.00 per 1000. Bride, Bridesmaid, President Carnot, Kaiserin, Meteor, La France, Perle, Mrs. P. Morgan, Wootton: These are extra large plants in perfect condition from 3-inch pots @ \$8.00 per 100. If you want a large lot, write us for special price and samples & & & &

From 2-inch pots, \$5.00 per 100; \$45.00 per 1000. This is extra fine stock. Strong 3-inch plants @ 10.00 per 100; \$85.00 per 1000. Write for special



# Plumosa

Strong 2-inch plants (# \$6 per 100; \$50 per 1000. Strong 4-inch plants @ \$15 per 100; \$125 per 1000.

Robt. Craig & Son, 

Market and 49th Streets.

FIRST-CLASS, CLEAN, HEALTHY STOCK & &

| 24g m. per 100 - 34g-m. per 10                             | Ю   |
|------------------------------------------------------------|-----|
| -American Beauty                                           |     |
| Sony, de Wootton                                           | Ю.  |
| Papa Gontier 10.0 10.0                                     | 1() |
| Pres. Caraot 4.00 10.0                                     | ю   |
| La France                                                  | Ю   |
| Mlle, Helena Cambier, 4 00, 10.0                           | )() |
| Karserin A. Victoria 4.00, 9.0                             | 10  |
| Perle des Jardins 3 50 9.0                                 | Ю.  |
| Brides 8.0                                                 | )() |
| Bridesmaids 3.00, S.0                                      | )0  |
| Meteors 3.00 8.0                                           | H)  |
| Clothilde Soupert 3.00 8.0                                 | )() |
| Mosella                                                    | 0(  |
| SEND FOR SAMPLES.                                          |     |
| Asparagus Sprengerl, 2 in. pots, strongper 100, \$5 (      | ĝΩ  |
| Asparagus Plumosus, 252-in. pots. fine stock " 7.6         |     |
| Boston Fern 25:11                                          | (K) |
| Nephrolepis Exaltata 4-in                                  | ЖI  |
| Ferns in assortment, 2½-in 41                              | ι 0 |
| Arancaria Excelsa, 6-la, pots, 15-18-la, high @ \$1.50 eac | :h  |
| Cocos weddenana. 5-in pots @ \$2 30 per do                 | Ζ.  |
| Kentias, Arecas Latarias, etc., large quantities in a      |     |
| sizes. Write for Special Prices, on sizes you wan          | t.  |

#### CANNAS

A limited quantity of each, from 2% and 3½-in, pats, to close out at \$3 (Oper 100 Alphonse Bouvier, Austria, Italia, Discolor, Exp. Cramphel, J. D. Cabes, J. W. Eillott, Mrs. J. M. Samuels, Midway, Madum Crozy, Paul Marquant, P. J. Berckmans, Sophie Buckner, Stella Kasat, Star 6 '201, F. R. Pierson, Madagascar, Mrs. F. L. Ames, Mme. A. Bouvier.

#### **VAUGHAN'S SEED STORE**

Creenhouses: CHICACO: estern Springs, III. 84-86 Randolph St.

# Forcing Roses

|                               | 1-61         | 100                  |
|-------------------------------|--------------|----------------------|
|                               | 236-111,     | 31 <sub>6</sub> -1n, |
| BRIDE                         |              | £1 (II)              |
| BRIDESMAID                    |              | 4.400                |
| METEOR                        |              | 4.00                 |
| White, Pink and Yellow Rambia |              |                      |
| \$20 00; Alternantheras       | F18 CO per 1 | (000.                |

#### CHRYSANTHEMUMS

Strong, from 20 g-inch pots, \$2.50 per 100.

EIDERDOWN W. B. DINSMORE
MUTUAL FRIEND MARION HENDERSON
WHITE SWAN COL. SMITH
GOLDEN BEDDER GLORY OF PACIFIC
MRS. HIGINBOTHAM ENFANT DES MONDES
MRS. ARISTEE.

#### THE NATIONAL PLANT CO.,

DAYTON, OHIO.

SMILAX from 2-tuch pots \$1.50 per 100; \$13.00 per 1000 HYDRANGEA Otakwa, from 3-fach pots \$5.00 per 100; GERANIUMS, from 2-fa. pots \$2.25 per 100; \$20 per 1000. "3-fin. pots, \$1.00 per 100; \$30 per 100. "4-fin. pots, \$6.00 per 100; \$30 per 100. Cash with the order. Set of for samples. FRED. BOERNER, Cape May City, N. J.

# Rose Plants

|                   |        | Per 1000       |
|-------------------|--------|----------------|
| AMERICAN BEAUTIES | \$5,00 | <b>\$45.00</b> |
| METEORS           | 3.00   | 25.00          |
| BRIDES            | 3.00   | 25,00          |
| MAIDS             |        | 25.00          |
| PERLES            | 3.00   | 25.00          |

WIETOR BROS. ROGERS PARK FLORAL CO.

PERLE BRIDESMAID

**CUT FLOWERS** ROSE PLANTS....



51 Wabash Ave.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

# 

American Beauties, Bride, Bridesmaid, Bon Silene, Caroline Testout, Kaiserin Augusta Victoria, La France, Meteor, Morgan, Perle, Souvenir de Wootton, etc., etc.

Also Clothilde Soupert, Mossella and Clara Watson, suitable for immediate planting for summer blooming in extra fine stock from 3 and 4-inch pots.

JOHN N. MAY, = Summit, New Jersey. 

# CHRYSANTHEMUM 🚜 🚜

whites. Extra strong plants, \$1.00 for 12; \$6.00 for 100. 212-inch pots,

ROSES Ready to shift. Not old, hard wooded stuff, but young healthy plants. Brides, Bridesmaids, Perle, Sunset and Niphetos. 2½-inch pots at \$2.50 per 100.

McDONALD & STEELE, Crawfordsville, Ind.

# READY FOR

Fully equal to those sent out the last six years, first class and perfectly healthy in every respect.

Only selected growth from flowering shoots used in propagation.

TTON LA FRANCE AMERICAN BEAUTY PRESIDENT CARNOT Such pots, \$8 (0) per 100. 4-inch pots, \$12 (0) per 100. FRANCE KAISERIN SINSET BON SILENE MERMET GONTIER MME HOSTE NIPHETOS BRIDE DESMAID HELLE SIEBRECHT. 3-inch pots, \$1,00 per 100. 4-inch pots, \$10,00 per 1000. WOOTTON METEOR

J. L. DILLON, Bloomsburg, Pa.

#### Newport, R. I.

WEATHER AND WAR KEEP FLORISTS GUES-SING .- A PRINCE OF THE REALM MAKES TRADE BRISK -BEDDING PLANTS THAT ARE IN DEMAND.-RENTAL OF PALMS -THE HORTICULTURAL SOCIETY FLOUR-ISHES.-A CHRYSANTHEMUM SHOW IN SIGHT.

The weather here was of such a nature throughout April and May that it kept plantsmen guessing, and as some of the craft happen to be ex-members of the state militia and subject to a call, it can be imagined that these gentlemen thought tharder than others not so placed; and those florist soldiers are still wondering whether or not they are to have a summer trip to Cuba or enjoy the "Dewey" mornings in the Philippines.

It is much in evidence that the war scare has affected the rental of many cottages that have heretofore been on the foremost list of desirable Newport summer homes. But we are not taking too gloomy a view of the prospects for the coming season, for the reason that we have had the Prince, and heir to the throne, of Belgium with us the past week as guest of Mr. and Mrs. Potter Palmer, of Chicago. He received a royal entertainment and the floral decorations were claborate. They were changed each day and have since been spoken of as being very creditable to Siebrecht & Son, the decorators.

All florists are rushing out bedding plants. Of geraniums, Gen. Grant, the light pink variety, Mme. Belmont, known by others here as Lady Alice, have for several seasons been much in demand and still predominate. Cannas of large flowering varieties are extensively planted and scem to grow more in favor each season. Tuberous begonias, do not thrive in Newport except in well protected places There has been quite a demand for coleus and heliotrope and rose geraniums are still much used in borders. Annuals, with the exception of zinnias, asters and sweet peas have been discarded to a great extent. Of sweet peas the pink varieties are grown most extensively. Begonias of the Vernon and Erfordia types have not been handled to any extent by the florists as yet, although considered good, especially the Erfordia. In many private places these begonias are planted largely. Lobelias seem to be little used hereabouts for planting purposes although they are in demand for basket and tub filling; for this purpose the dwarf variety is considered the best. Dwarf nasturtiums are also much used for filling and for cut flower purposes.

Alternanthera and bedding plants of this class are in little demand. In many places, the greenhouses which were once empty during summer months are now planted with tuberous begonias, Semple's asters, gloxinias and chrysanthemums, and frequently these plants are exceptionally well grown,

The greenhouses on the estate of the arte Ogden Goelet, the finest and most extensive in Newport, have encountered a "frost," the best plants having been the best plants having been sold, and the greenhouses now appear to be exacuated, which is considered deplorable as the plants here were once so well grown and cared for. The same might be said of the J. I. Van Alen greenhouses which are now used for conniercial pur-

The rental of palms and foliage plants tor indoor decoration is an extensive trade ere and it is I case of renting a palm to enstoner that knows what a palm ald la Italias that have the "vellows

or palms with leaves torn through the center or palms that are furnished at "low-water-mark" are not in demand here.

The Horticultural Society gave more entertainments this season than it ever alid before. The membership is steadily increasing and now numbers 120. The society has been granted a charter by the legislature of the state and the members have taken steps towards issuing tickets for a chrysanthemum show. The judges for the exhibition will be gentlemen selected from other cities. A keen interest is manifested by many growers and J. J. B. a good show is expected.

#### Knoxville, Tenn.

All Knoxville sympathizes with Charles W. Crouch, the florist, in the death of his son, Thomas Pendleton Crouch, who, although but 23 years of age, was the leading musician of thecity and one of its most popular and widely known residents. The Crouch family have been for many years identified with the growth and progress of the city. The dead musician's grandfather came to Knoxville from England and in the early days built the greenhouses in which his son is now doing business.

# GERANIUMS. NAMED. 3-inch. strong. in bloom. \$4.00 per 100.

# Ghrysanthemums. Named. Strong, from soil, \$3.00 per 100; \$25 per 1000.

# KENTIA BELMOREANA.

Strong, stocky plants, 5 to 7 leaves, 20 to 30 inches high, \$12.00 to \$24.00 per dozen.

# KENTIA FORSTERIANA.

4 to 6 leaves, 24 to 30 inches high, \$12.00 to \$18.00 per dozen. THE COTTAGE GARDENS, Queens, L. I.

# CHRYSANTHEMUMS!

All the very best commercial varieties, viz.:

Marquis de Montmort, Lady Fitzwigram, Bergmann, Merry Monareh, Glory of Pacifle, Robinson, Henderson, M. M. Johnson, Colden Trophy, D. Spaulding, Viviand-Morel, Mrs. Perrin, Ivory White, Ivory Pink, M. Bonnaffon, Mayfower, Modesto, Jerome Jones, white, yellow and pink, Mand Dean, H. W. Rieman, Lottie Berry, Mand Adams, Emil Buettner Gretchen Buettner, Stock unexcelled and very large quantity of it ready. Let us book order for now or future delivery. 2½ anch \$3.00 per 100. Cuttings, rooted, \$2.00 per 100.

Marie Louise Violets, rooted runners, \$10.00 per 100. . .

#### POEHLMANN BROS.

MORTON GROVE, Cook Co., ILL.

# SMILAX NOW READY!

Fine long beavy strings, 12% cents. Cash or satisfactory reference. All orders filled on the shortest possible notice.

H. TONC, Wholesale Crower,

POTOTERED M.

IS Nathan Street, Ashtabula, Ohio.

#### 

F. DORNER & SONS CO. La Fayette, Ind.

#### GROWN CARNATIONS.

GEO HANCOCK & SON, Grand Haven, Mich.

Mention the American Florist when corresponding with an advertiser.

#### FINE PLANTS

# VERBENAS

IN BUD AND BLOOM.

Many Fine Varieties added to Our Collection.

Best Memmoth.....per 100, \$3 (0); per 0, \$25.00 Ceneral Collection. 2.50; " 20 00

#### ROSES.

American Beauty, 3-Inch pots ..... per 100, \$10.00 Bridesmaid, Bride, Perle, Meteor, Bon Silene, Watteville, La Frence, Sunset, Mermet.

Price from 24-Inch pots, \$5.00 per 100; \$40.00 per 1000. Ever-blooming and Polyenthe, in bud and bloom, from 35, 4 and 5-Inch pots, \$10.00, \$15.00 and \$20.00 per 100

Hybrid Perpetual, in bud, from 5-Inch pots, strong \$25.00 per 110.

CHRYSANTHEMUMS. 50 fine varieties from 256 inch pots, \$3.00 and \$4.00 per 100 . Send for list of varieties.

# MICCELLANEOUS DIANTS

| MIGUELLANEUUS PLANIS.                         |  |
|-----------------------------------------------|--|
| Ready for immediate sales. 100.               |  |
| inthemia Coroneria, from 3 inch pots\$3 00    |  |
| Iternanthera, all leading varieties 3 00      |  |
| geretum, olue and white                       |  |
| arnations, from 4-inch pots, fine stock 12.60 |  |

| ESTABLISHED CARNATIONS FR                               | OM<br>SOIL.        |
|---------------------------------------------------------|--------------------|
| C. A. Dane \$5.0 Mrs. McBurney 5.0 Harrison's White 2.5 | 0                  |
| Herrison's White                                        | 0 17.50<br>0 15.60 |
| New Trade List on application.                          |                    |

### WOOD BROS., Fishkill, N. Y.

When writing mention American Florist.

# **GERANIUMS**

SURPLUS STOCK.

4-in, good strong plants. Bruantii, S. A. Nutt, La Favorite, etc., etc., \$5,00 per 100; \$40.00 per 1000. 3-inch, \$2.50 per 100; \$20.00 per 1000. All in flower and bud.

### VERBENAS

Dreer's Mammoth, \$2.50 per 1007 \$20.00 per 1000. Fine plants.

### FUCHSIAS

4-inch, Avalanche, Arabella, General Wolsey, etc., in flower, \$6.00 per 400.

# **PANSIES**

Good strong plants, \$2.00 per 100; \$15.00 per 1000. Cash with order.

# STENSON & McGRAIL

UNIONTOWN, PA.

White Plume, Golden Self Blunching and Giant Puscal.

Field grown plants at \$1.00 per 1000; \$8.50 per 10.000. Cash with order — Samples tree. C. M. GROSSMAN,

WOLCOTTVILLE, IND.

#### THE GREATEST AQUATIC NOVELTY OF THE CENTURY!

# Victoria Trickeri

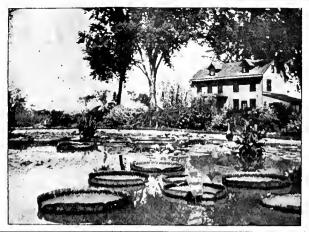
CAN be grown in the open air without artificial heat, under the same conditions as Nympha: Devoniensis and Zanzibarensis, it grows to gigantic proportions when given ample room, but succeeds admirably in a tank of not more than six feet in diameter. We have also grown it as a pygmy in a teninch pot, where it flowered heautifully, the leaves with turned-up edges and all the characteristics of a fully developed plant. Plant out any time in June. For best results get a large plant. Price, \$5.00, \$7.50 and \$10.00 each, according to size.

to size.

We also have on hand fine plants of VICFORIA RANDI, \$7.50 and \$10.00 each.

Also an extensive collection of hardy and tender day and night blooming Nymphæas. Come and see our Water Garden at Riverton, N. J.

# Henry A. Dreer, chestnut st. Philadelphia



# WORTH MORE THAN A



**PASSING** NOTICE & &

SALABLE PLANTS IN LESS THAN A WEEK

TRUE BE-YOND A **DOUBT** THEY ARE

Breningsi var. John White var. Wm. Elliott var. Discolor Tal. Burbank O. F. Luxerand Med.

THE SIX BY MAIL FOR 40 CENTS

#### FOR WINTER FOLIAGE DISPLAYS. GRAND!

CLEAN, ERESH, QUICK, PROFITABLE.

# PAMPAS GROVE NURSERIES.

GREENLAND P. O., FLA.

#### VEGETABLE PLANTS.

CABBACE-11 Succession Flat Dutch, Autumn King, Drumberd, Savoy and other varieties, CELERY-White Plume, Gelden Sell-Blanching, Glant Pascal, Golden Heart and other varieties TOMATO-Livingston's Stone, Paragon and other varieties All above plants field-grown, 15c per 100; 88, 50 per 10,000, ff by mall add 10c per 100. Cush with order.

R. VINCENT, Jr., & SON, White Marsh, Md.

TWO THOUSAND

In 2<sup>1</sup>2-inch pots at \$2.00 per 100 or \$15.00 per 1000.

per 1000, 500 ALTERNANTHERA, 2%-inch, red and yellow, at \$1.50 per 100. 200 GRANT GERANIUMS in 4-inch pots. thre plants, at \$5.00 per 100.

MRS. A. L. MYERS City Greenhouse. Bluffton, Ind.

# Now Ready!

American Florist Company's ...

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Pice Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY 324 Dearborn St., CHICAGO, ILL.

#### www.HERR'S PANSIES

SEND FOR REASONS WHY THEY ARE THE BEST.

...PLANTS... Ready now at \$1.50 per 14 oz.

...SMILAX... oz. ...PLAN I S... Ready now, 75c per 100; \$5 per 1000. September to January; 75c per 100; \$4 per 1000.

Sample plants for 10 cents.

ALBERT M. HERR, Lancaster, Pa. عن عن عن

### 2000 Smilax

First-class 3-inch stock, \$2.50 per 100; \$20 per 1000.

THE E. HIPPARD CO., ......YOUNGSTOWN, OHIO.

#### ĕaaaaaaaaaaaaaaaaaaaa BETTER THAN SMILAX.

Roses and carnations are a drug on the market, Smilay is scarce and in good demand. You are sure of selling all you can grow, at 15 to 20 cents. Devote a bench or house to Smilay; there is money in it. STRONG PLANTS out of 2-inch pots, ready for immediate planting, \$1.25 per 100; \$10.00 per 1000. Strictly cash with order.

SOUTHSIDE FLORAL CO., Springfield, III.

The Conard & Jones Co., WEST GROVE.

# Vinca Major Variegata

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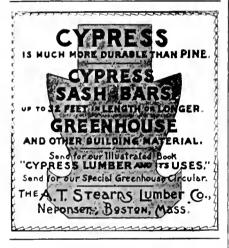
# Special Sale!

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According to reports the sale of spring plants may be likened to that of the proverbial hot cake. Everything in that line sold readily and, on the whole, at fairly good prices. Nor was the Memorial Day trade in any way disappointing, school children as well as their parents, largely patronizing theflorist's establishments.

Myers Bros' new range of houses at Eldorado, three miles out of Altoona on the Holydaysburg branch of the Pennsylvania railroad, presents a sight well worthy of seeing. The beautiful grounds surrounding them, and I may remark in passing, that the landscape gardeners' skill is noticeable here in no small degree, the stretch of the Allegheny mountains to the west and east as far as the eye can reach, make this an ideal place. Nine houses, comprising about 25,000 feet of glass, built in the most approved style and equipped with all the modern appliances, constitute their range. A feature worthy of special notice is their hot water heating apparatus, operated under high pressure. By an ingenious device, the heat is evenly or otherwise distributed through the houses, there being a sufficient quantity provided to heat the dwelling house as well. A general stock of cut flowers, bedding and decora-tive plants and bulbous stock is being grown quite successfully. Allen Myers takes charge of the Eldorado establishment, while his brother attends to the Помо. Altoona branch.



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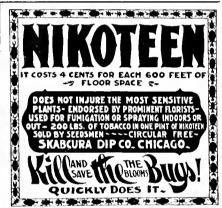
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MONTANA FLORISTS REPORT THE BEST SPRING TRADE ON RECORD.—JOTTINGS AMONG THE GROWERS.

The year's business has been considerably the best Montana florists have ever experienced. Both supply and demand have been excellent and prices have been fair. Easter was a very busy season but little more so than Memorial Day.

The State Nursery Company's business has been good in everything except bedding plants, for which the call was not up to the standard of last year. However, their Butte branch is prospering to an unprecedented degree, and the company is doing more spring building than usual. Two new rose houses, each 16x130, have just been completed and work is progressing upon the third one of the range. A new cold house 10x50 is nearly finished and a 75 foot addition to the palm house is soon to be undertaken.

Mrs. L. J. Wells is doing a flourishing business and feels that the prospects for continued trade warrant the renovating and remodeling of a number of her houses.

Charles Horn reports cut flower trade as very good but states that he is moving his bedding plants slower than is usual at this time of year. Mr. Horn sustained a considerable loss this spring through the caving in of his carnation house.

Mrs. Mattie Miller is showing extra fine geraniums and marguerites. A. J.

-THE-

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**Boiler** 

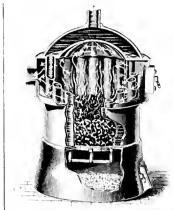
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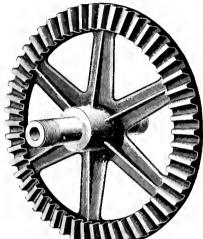
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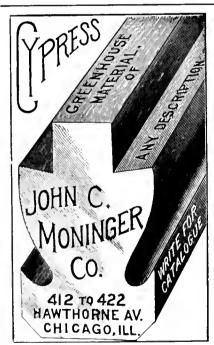
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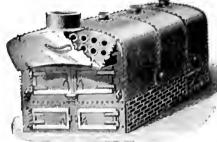
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TRADE CONDITIONS IN THE NORTHEAST.—
WM. SHAND STARTS IN BUSINESS WITH A
MODEL ESTABLISHMENT.

Business here is now in full swing, the weather being mild. Sales of bedding stock have so far been in excess of last year, the demand for annals, especially, being much ahead of the average. Prices, however, are lower than those of former seasons. Cut flower work has been fair, but not better than last spring as a whole, roses and carnations being the principal stock offered.

Wm. Shand, recently gardener to Mrs. W. H. Jones, has just started business on his own account. He has bought three and one-half acres of land with a cottage three miles from the city and is now erecting his greenhouses, one of which, three-quarter span 20x100 to be devoted to roses, is well under way. Another even span 17x70 will be ready by the time to plant stock in the fall, the establishment will be heated by hot water from one of Hitching's boilers. Roses and carnations will be his principal product.

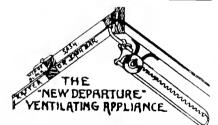
carnations will be his principal product.

The stock at the greenhouse in the Public Garden is in first-class condition and will no doubt make a grand display later on. At the present time Superintendent Knott is getting the beds filled as fast as possible.

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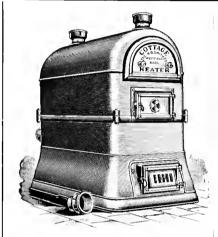
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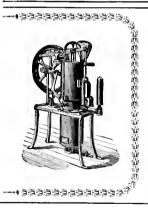
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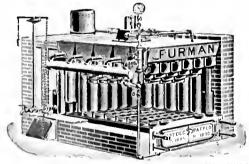
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Vol. XIII.

CHICAGO AND NEW YORK, JULY 2, 1898.

No. 526.

#### THE AMERICAN FLORIST

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# CIETY OF AMERICAN FLORISTS A ORNAMENTAL HORTICULTURISTS.

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THE AMERICAN CARNATION SOCIETY. Annual Convention at Philadelphia, February, 1889. ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA. Annual meeting at Omaha, Neb., August, 1898 ELMER D. SMITH, Adrian, Mich., secretary.

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#### Park Woodlands and Plantations.

Paper read by J. W. Pettigrew before the Park and Outdoor Art Association, Minneapolis, June

The subject of the treatment of natural woodlands in parks is of vast importance and commands the earnest thought of landscape gardeners. Such areas generally made up in great part, of thick growths of trees, which have injured each other more or less, by close contact, natural perhaps, in the sense of having sprung from the soil without the aid of man, but having, nevertheless, been subject to such unnatural conditions as to upset nature's balance.

The effort on the part of the landscape gardener or forester to improve the natural or growing condition of woodlands in public parks, is generally met with opposition from probably well-meaning, but badly informed critics, who ery that the work is an interference with nature, and who call in the aid of ready tongues, and readier pens to stop the "outrage."

The forester brings into service the practical experience and study of years in his efforts to assist nature in her work, yet all for naught. The clamor of a few culisted in a mistaken crusade dis-courages him, or influences those in authority to the extent of causing a stoppage of the work, and the result is seen too painfully all over the country, in their malformed and distorted condition, from over-crowding of park trees.

General rules can searcely be framed for the treatment of natural woodland-much depends on the use to be made of it. whether for woodland effects or woodland use. The first operation in a thick piece of woodland desired to be retained for natural effects, should be that of thinning; trees of individual merit or beauty should have interfering trees removed, to allow of their own development. places, areas of greater or less size may be entirely filled with trees, which, by reason of overcrowding, are so far injured that they can never recover their lost beauty; in such case, a free cutting should be made to allow light to penetrate to permit of the growth of saplings or newly planted material below, and further cuttings made, from year to year, as the young growth demands. Care should be taken that all saplings that may not be needed are cut out, only retaining those necessary to replace sickly or injured trees. Judicious thinning of all trees should be made where interfering with the growth of better ones, noting, at the same time, and retaining picturesque groupings or pleasing combinations of trees, preserving, in the general mass, a natural appearance, and encouraging

as much individuality as possible, without impairment of natural woodland effects. This thinning will permit of the passage of light to the undergrowth which will respond quickly to its influence and materially enhance the beauty and naturalness of the woodland. A woodland so dense as to prohibit the growth of vegetation on the ground, is monotonous and dreary.

The improvement to the wood by thinning is noticeable in the following season's growth, the branches, relieved of the necessity of having to struggle upwards to an opening in search of light, spread out, and it becomes apparent very quickly, that the work of the axe will have to be resumed the following winter, in fact, whether in woodland or plantation, the work of the axe is never completed; it is vandalism to lay it away.

The best time to make selections for permanent trees or for cutting is in the summer. At this season, the condition of the tree can be more easily ascertained; its relative position and needs are more

apparent.

Natural woodlands, when included in lands taken for park purposes must of necessity either dominate, or be subservient to a general scheme of adaptation, in the latter case modifications of their out lines may be necessary. Let no mistaken sentiment prevent the execution of this work. A park is not made for a day; the work of the present is subject to the judgment of the future; the mistakes of to-day bear disappointment for posterity. Should it, then, become necessary to cut away any part of the woodland, in the execution of a properly devised plan for the unification of the different parts of the ground into a harmonious whole, hesitate not to apply the steel.

Very often natural woodlands are subject to severe and constant use of the public, when it is impossible to retain underbrush and ground cover; in such cases the destruction of underbrush exposes the ground to the action of the The roots running near the surface which have been protected from heat and dryness under the natural forest covering are killed off and the trees soon die. This result can not be avoided unless some other covering can be substituted. of four or five inches of loam seeded in grass will serve the purpose, and be besides of great benefit to the trees.

The proper treatment of park wood-lands includes the carefulcutting from the trees of all dead or diseased limbs. A large proportion of trees come to an untimely end, because of the decay introduced into the boles through the stumps of dead limbs. Each cut should be make close and even with the bole, and well painted over, renewing the coat when-ever necessary until the wound is healed

While natural woodlands within park areas are arbitrarily placed, and generally control any scheme for harmonizing them with other features, plantations are entirely governed in their location and character by the landscape gardener.

The preparation of the ground for planting is of the first importance to the trees. On it depends largely whether the plantation shall be a mass of healthy, vigorous foliage, or a collection of stunted trees, dragging out a starved existence. For the production of a healthy growth of deciduous trees, an essential necessity is a sufficiency of good soil. A park commissioner once said, "Besides the diamond, since becoming a park commissioner, I have discovered another valuable—loam." Without it. noble proportions in the trees can not be expected. Therefore, to achieve good results, soil, and plenty of it, must be provided. This is expensive work; an old saving contains sound advice: "If you wish to spend twenty dollars to plant a tree, spend nineteen and a half of the amount in the preparation of the ground '

No work of park construction should take precedence over that of tree planting, other than the work necessary to make the ground intended for plantations available: bridges, buildings, roads and walks are of secondary importance

in comparison.

Assuming that the soil is good, preparation for planting should be commenced in the preceding summer by plowing and deeply subsoiling, plowing the ground two or three times, reducing it to a good condition of mellowness. Spring planting is preferable in our northern latitudes. Fall planted trees, unless put in early enough to have made roots to sustain them, are apt to dry out by evaporation during the long freezing months. A good method is to make selections and purchases in the fall, which can be heeled in overwinter, and protected from drying winds; thus planting can be commenced much earlier, unhampered by the delays of spring shipments from nurseries. In planting, plant thickly—ten to twelve feet apart is not too close—the ground then is more quickly shaded; the trees also shelter each other. Thin out by transplanting or even by cutting when the branches interfere. Under no consideration, permit injury to be done by overcrowding. This method has many advantages; it provides shade for the ground and for the trunks of the trees; the and for the trunks of the trees, the trees, thickly placed, protect each other from scorching winds it permits of easy and cheap cultivation of the ground, and is a convenient mursery from which finer trees can be gotten each season than can be had in commercial nurseries. The plan also gives a greater variety from which to select the permanent trees. It gives, too, the effect of mass more quickly

The contrary opinion is held by some who advocate the planting of the trees in their n tended permanent positions, and no others, the jameipal region for which seen's to be that from a fear of public out. ry, the thisnings are not made, or that treat negligence or ignorance the treesare allowed to evenerowd and Spoil cach other. The first objection may be met by transplanting instead of citting out to the second it it as be said that i, nor ance is rinegizence can not be guirded agains! let ans method of planting

This best to plant the intended permanent trees at a distance of from thirty live to fifty feet according to their

expected development. A second arrangement may be made, nearly alternating, of some other kind of tree, and even a third combination may be made, again alternating. The advantage of this plan is that any one of the three arrangements may be adopted as may be deemed best, at thinning time, for the permanent trees.

The effect of large masses of trees of one species is much more dignified and impressive than a conglomeration of trees of different kinds and habits of growth. The mass or groups of varying size may be allowed to merge into each other in irregular, ragged outlines. It is not considered desirable to plant shrubs throughout new plantations, as they interfere with the free use of the cultivator, which is a valuable adjunct to the diligent planter desiring vigorous, rapid growth.

Cultivation should be maintained for a period of three years or so, when the shrubbery or ground cover may be introduced. Shrubbery should, however, be planted on the borders of the plantation, when made of such wood bordering plants as shadbush, redbud, viburnums and cornels, etc.

For planting in public parks our native trees and shrubs can not be surpassed for appropriateness and beauty, and for this purpose their use alone is advocate; nothing can be more inharmonious than the introduction into park woodlands and plantations of exotic trees and shrubs or of variegated sports and monstrosities; rather let our parks be typical of our native woods and glades, helped along nature's lines by the artistic hand.

#### Fuchsia Photograph Competition.

We are pleased to be able to present herewith one of the pictures in our "Fuchsia Photograph Competition," as per announcement on pages 588 and 600 of our issue of January 8. The variety of off issue of failings. The variety illustrated is named "Charming" and the plant was grown by Mr. Peter Cronetto, of Millbrook, N. V., from a cutting inserted in January, and subsequently treated as recommended in the number of the American Florist already quoted. The plant is in a 5-inch pot, as indicated by the rule in front.

The Foxglove.

This hardy biennial or perennial, Digitalis purpurea, is one of the showiest plants of its class and very easy of cultiplants of its class and very easy of cultivation. At Schenley Park someten thousand of these plants are under William Falconer's care and have for several years been a great attraction when in flower. That the public takes an interest in flowers as seen in displays of this kind



FUCHSIA CHARMING

is evidenced in the demand that has sold thousands of digitalis in the city of Pittsburg and vicinity alone since they were brought to notice in this way.

Schenley Park is a great public educator, and such grounds and buildings, with such superintendents as Mr. Falconer and the late Mr. Bennett, should be established in every large city in the land. It can be done if intelligent efforts are put forth. Let the florists' clubs start the movement; get influential citizens and newspapers interested, and when the idea is well before the people have the proper legislation enacted, with the necessary appropriations, and another floral school would soon he founded that should be a great source of pleasure to the community which surrounds it. Boston's public gardens have done wonders in educating the people, and the many beautiful private estates of large and small dimensions in that city and its environs bear testimony to their worth and the appreciation in which they are held by the people.

ROBERT KIFT.

#### Herbaceous Plant Notes.

In the latter part of June the gorgeous Iris Kæmpferi begins to open its first blossoms; the weather is not always very favorable for the development of perfect flowers of the largest size and whenever possible in dry spells the plants should be treated to liberal waterings so as to keep the ground constantly moist until all the flowers are past. In commercial places where only plants are wanted, little or no attention is paid to the production of good-sized flowers, but when we grow them for ornament, or for cut flower purposes, watering should not be neglected, as moisture at the roots will not only increase the size of the petals, but will also improve the lasting quality of the flowers. We had occasion to observe the difference in the size and durability of flowers in two patches of this iris on our place last year. One lot was planted in light, dry soil; the other in a moist situa-One lot was planted in Both were exposed to the full sun and the varieties were the same in each patch. On clear, hot days the flowers in the first bed would not last more than four or five hours, while those in the moist patch were as tresh as could be desired and often remained in good condition for three days.

Inula hirta is a pretty, very free blooming, yellow, daisy-like flower; blooms in the second half of June and during July; grows fifteen to eighteen inches high and is decidedly useful as a cut flower. I. glandulosa is a much larger flower, four to five inches or more across and of a deeper golden color. The ray florets are narrow and long, giving them a fringy appearance. The foliage and stem is covered with whitish down and its height is about two feet. This valuable plant is not often seen in collections, but perhaps only because it is little known and does not increase very rapidly. It blooms with us regularly from June to August and is as hardy as an oak tree and succeeds in any soil or position.

The gaillardias have been out since the middle of June. Among the improved varieties we have not only flowers of immense size and semi-double, but also great variations in color; we have pure yellow, yellow with a dark disk, broad rays and quilled rays, red and yellow combined in various ways or shades and some flowers are deep crimson with only a barely visible yellow edge. Flowering freely until frost, their value as orna-



DIGITALIS PURPUREA.

mental plants for beds, borders or shrubberies is apparent and the flowers are also largely used for cutting. For this latter purpose only the best varieties should be procured, as ordinary seedlings will give too large a percentage of small, inferior blooms which do not sell readily.

Verbena venosa, that persistent bloomer, has been used quite extensively persistent as a bedding plant in the last few years. Several complaints have reached us that this plant was not hardy, but that must be a mistake for we have always been able to keep it uninjured in the open ground without protection of any description. It is true, however, that the old plants seem to be entirely dead in spring and no life is visible above ground when most other plants are well advanced, but if we leave them undisturbed a little longer, we will soon notice strong growths coming up thickly all over the patch. This vigorous growth springs from the long, wiry underground runners which were formed the season before; at nearly every joint a new plant will be produced and it is necessary to thin considerably, else the plot would be over-erowded in a short time. If these runners are dug up in early spring before they start into growth, we may cut them into small pieces and in this way raise hundreds of strong young plants, which, when potted off singly, are ready to bloom

by the middle of May, while those left to themselves outdoors will seldom begin to flower freely before the end of June. This method of propagation is cheaper and faster than raising young stock from seed. Campanulas are out in great variety;

Campanulas are out in great variety; for constant blooming few are better than the Carpathica section in their various shades and the lovely C. rotundifolia; neither of them are tall or rank growers; the stems are sent up only twelve to fifteen inches high and come out in succession, thus furnishing a continuous supply of flowers until fall. A mass of luxuriant pretty foliage covers the ground effectually at all times and the old stalks fall over as they decay and are hidden from view, though it is best to remove them as soon as their flowers have faded. C. persicafolia Backhouseana is a great improvement on the type; the bells are larger and of more substance and the growth is more robust. C. persicafolia alba coronata is a very pretty semi-double, white form, which can be recommended for cut flower purposes. The same may be said of C. Trachelium fl. pl., which grows a little taller and has larger and very double bells.

Cephalaria Tartariea, with its longstemmed, straw-colored, scabiosa-like flower-heads, is now in full bloom; it stands the drought remarkably well, though in moist ground the size of the flowers is improved, yet they are of good size here, four inches and more in diameter; five to six feet tall and with luxuriant ornamental foliage. It is admirably adapted to planting in the lawn, where a ciump forms a symmetrical specimen and we need not be afraid of strong winds damaging either the foliage or the tall flower stems.

Salvia sclarea, with its immense panicles of pale, lilac-blue flowers, is a rather large plant, three to four feet high. It wants plenty of space, for the leaves are large and broad; the flowers will continue in fine shape until well into August and it is a grand plant for all purposes. excepting the small, narrow border. Any well enriched soil will suit this plant and where an occasional watering can be administered the panicles will increase wonderfully in size.

Epilobium angustifolium, to do its best, wants moisture, although we have fair success in our dry borders where its average height is reduced to about three feet, while in moist and partly shaded posi-tions we often see them six feet high. The long, tapering, branchy spikes are produced on every growth; the individual rosy flowers are quite large and of a lovely crimson color. The dwarfer white variety, E. angustifolium album, flowers with equal freedom, and both are very desirable for borders, shrubberies or for naturalizing in the wild garden. E. hirsutum blooms in large corymbose clusters some weeks later than the others; bright pink and is of equal, if not of superior value for the same purposes. Height generally from three to four feet.

J. B. Keller.

#### Chrysanthemum Notes.

Plants set out two weeks ago should now be growing rapidly, and care must be taken that they are never allowed to dry out too much. Neither should they be given too much water for if kept too wet they will make a soft growth, which quickly wilts and burns on exposure to the sun. Remove all the weeds from the soil as soon as they are large enough to handle, and keep the surface of the soil as even and firm as possible.

Some varieties will throw out lateral shoots at every leaf when they begin to make rapid growth and these must be rubbed out as soon as possible. A number of other sorts, from early struck cuttings, will set a bud at this time, which also should be removed, allowing one of the shoots which spring from its side to remain. In order to keep down the red spider and black aphis, as well as to insure luxuriance of growth, a free use of the syringe is absolutely necessary in

bright weather.

Do not neglect to stake and tie the plants as they require it; timely attention to this will save many valuable shoots. We have found it impossible to grow fine chrysanthenums under heavily shaded glass. Our houses run north and south and yet we do not shade at all, maintaining the proper temperature so far as practicable by frequent syringing and strict attention to the ventilation. If adequate ventilation cannot be given with the ven-Clators at hand, it would be well to remove a pane of glass here and there along the sides.

All plants intended as specimens for exhibition should be given their final potting now, taking care to pot firmly with ample dramage. Do not water heavily until the plants have had a chance to take held of the new seal, which takes a week or thereabouts, and never pot a plant when it is div. better water it thou oughly first, and allow it to dram off by

standing a while. Fine coal ashes banked up around the pots where the sun strikes them will keep the roots cool and encourage growth. The shoots should be pinched before they get too long, otherwise it will be difficult to produce shapely C. W. Johnson. plants.

#### Palm Leaf Blight.

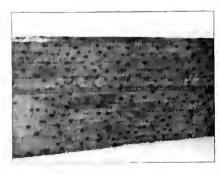
For several years my attention has been called to a leaf blight upon palms. Recently in passing through a large palm house it was observed that many of the leaves of some sorts of palms, and particularly the fan-leaved species, were badly blighted. Fig. 1 shows a much reduced view of a badly diseased leaf of Livistona rotundifolia made from a photograph. This leaf was almost wholly



FIG 1.

blighted and the boundary between the dead portion and the part still alive, although indistinct in the engraving, may be seen near the base of the leaf. Fully three-fourths of the leaf was brown and worthless, and more than that was the place where countless numbers of the germs of the fungus were being propa-

If the persons interested in this trouble will look closely at the upper portions of



E(G) II

the leaf when it is already brown or ashcolored he will find many small speeks. These specks are not easily shown in an engraving of a whole leaf, but in the enlarged piece shown in Fig. 2 they are more distinctly seen. These specks do not come until the fungus, a member of the genus colletotrichum, has practically destroyed the leaf at that spot. They are specks produced by the fungus breaking through the skin of the leaf and in the rupture, usually oval in outline, developing a number of stifl black hairs like minute eve lashes, and between them are produced the multitude of spores free upon the surface of the rift.

The writer dwells upon this spore formation for palm growers are sometimes inclined to think that, if there is any fungus, it plays no primary part. It may be true that the colletotrichum thrives usually while the palms are small or when the house is under conditions most favorable for it; but it nevertheless needs to be remembered that the blight is positively contagious and may become a serious pest if left unchecked. Plants that are badly diseased should be excluded from a house of healthy palms, and all blighted leaves like the one shown in Fig. 1 should be picked off and burned. It is not profitable in any way to let them remain on and spread the trouble to other leaves of the same plant or to furnish spores to be carried to other plants by the process of watering. beauty of a palm is in its strictly healthy foliage, and therefore it should be cared for accordingly. BYRON D. HALSTED.

#### Carnations.

There should be a closer relationship between the retailer and the grower in this branch of floriculture.

When the grower looks back over the season just past it presents a few bad features and they should be object lessons to us. Last season the crop of carnations was at no time as large as it has been in some years and yet the prices did not rule high enough on first-class stock to leave the grower a fair margin of profit.

As the percentage of profit derived from 1000 carnation plants decreases the grower who depends on this branch for his livelihood has but one redress and that is to increase the extent of his plantations, which, in turn, helps to pull the market still farther down.

It would, of cousse, he impossible on account of the very perishable nature of our stock to expect the same relationship between the retailer and the producer as is maintained in manufacturing circles, but there should be some sort of protective method adopted, that would tend to lessen the gluts that frequently reach the selling centers.

When a lover of carnations goes into a retail store and sees his favorite flower handled and sold by the methods too frequently employed, his whole nature is hound to revolt. Not always, but quite frequently, carnations are thrown down like hunches of beets or onions, the customer looks them over and decides on taking something else. If they are taken and there are any seconds in the bunch they will be found in the package when the customer gets home and the transaction, as a whole, instead of stimulating regard for the flower, has just the opposite effect. This is not a second or third class store scene, either, but one that can be witnessed in many first-class establishments at almost any time.

The carnation is without a rival as a ent flower if it is properly handled. To get the beauty of a dozen flowers they must have a little help, either by means of their own foliage or that of some other green strong enough to assist in holding

up the weak stems and show the beauty of the blooms. This matter of greens need not be an additional expense of more than from one to three cents per dozen and it will certainly increase the sale of carnations enough to more than make up that amount. There is no question but that if the retailer pushes the carnation by the best means and sends it from his store fresh and in proper shape the sale of the flowers would be doubled in ten years. Possibly under present methods the production will be trebled in that time, but that will not decrease the profit of the retailer if he will aid in increasing consumption. Over production could be avoided if the retailers, who are in constant touch with the market, would advise the grower what to drop from his list and what to grow, and exchange ideas frequently.

The florists' clubs should be a good

medium for this interchange of ideas and should be used more as a means for that purpose than any other. The national society should he used as a means of feeling the market of the whole country once a year. Once a month a short time in the club devoted to the selling interests of our products and an evening of discussion on the same subject in the national society would be of material interest to grower and retailer alike. We have papers on this flower and that; on growing in all its branches and nothing on the disposition of our stock, which is quite as impor-

tant as the production.

Let us get closer together; we will all be the better for it. Omaha is a good place to meet each other in August; Philadelphia will be a good place next February ary and the club meeting is a good place once a month. If you are not a member, join; make yourself heard, and let us, united, try to make business a little hetter for '99 than it has heen for '98 and keep the ball rolling for the opening of the new century.

ALBERT M. HERR.

#### New York.

"A HOT TIME IN THE OLD TOWN" DEMORAL-IZES THE MARKETS, -STUMPPS SAIL FOR EUROPE.-LANG-HEINTZ NUPTIALS.-JOT-TINGS OF CITY LIFE.

Midsummer conditions already prevail in Greater Gotham and the volume of business goes up or down inversely as the mercury ascends or descends the tube of the thermometer. The earliest signs of hot weather brought depreciation in quality, quantity and value of stock, and the cut flowers which are now coming into this market are very poor, while receipts are each day growing smaller and smaller. There is no fixed price for anything and, while quotations are made upon the usual hot weather scale, in reality everything sells for what it will bring, and no more. To use a trite say-

bring, and no more. To use a trite saying, stock goes at any old price.
George M. Stumpp, 761 Fifth avenue, and his son, G. E. M. Stumpp, sailed on Tuesday on the Trave to spend the summer in Europe. They go to Berlin and will wheel from there to Mr. Stumpp's highly least in Company.

birthplace in Germany.

Theodore J. Lang and Miss Etta
Heintz were married on Tuesday, June
28. It was a very pretty ceremony and
was performed in the presence of a large
number of relatives and friends. The bride carried a beautiful bouquet of pure white sweet peas, and received many beautiful and valuable presents. For some time Miss Heintz was employed in Mr. Lang's store at the corner of Thirtyeighth street and Sixth avenue. They have a wide acquaintance in the trade and have received a perfect shower of congratulations.

Mrs. Toomey, of One Hundred and Forty-ninth street and Third avenue, died on Monday, June 27. She was a step-daughter of that eccentric character, Rudes, whose sensational suicide at Astoria a year ago is still frequently spoken of.

Alexander S. Burns has leased his green-houses at Woodside to Alexander Von Asche for a term of five years.

The Manufacturers Rubber Company has moved from Fulton street to 45 Vesey street.

E. Koffman opened his new Twentyeighth street store yesterday, Friday, July 1. It is a very pretty place and a large number visited it on opening day. A cooling lunch was served.

I. H. Small & Son are making excellent progress in modernizing their store and by August will have one of the handsomest establishments in the country.

#### Basket of Roses.

The basket in the illustration which appears herewith stands four feet in height and is made of Beauties, Maids and Brides together with a few sprays of mignonette and a bunch of the giant white daisy. The handle is trimmed with orchids, cypripediums and dendrobiums,

together with lily of the valley. The larger roses were placed in a vase of water set in the moss in the body of the basket and afterwards filled with loose sphagnum and wedged at the top with small pieces of sponge, so as to prevent slopping of the water.

#### Philadelphia,

PLANS FOR A DESCENT ON UNSUSPECTING OMAHA.-TRADE CONDITIONS-THE KAI-SERIN QUESTION .- ANOTHER NAVAL EXPE-DITION. -AMONG THE GUNNERS.

The approaching convention is to be the subject for discussion at the July meeting of the Florists' club next Tuesday evening. There is, no doubt, much good to come from the Omaha gathering and it behooves all progressive members of the eraft, those who desire to keep strictly up to date, to join the procession that is shortly to wend its way half across the continent. The number going from Philadelphia will no doubt he made known at this meeting. If your mind is made up to attend come and state the benefits you expect to recieve, and prove to the man who thinks he can't afford it that he is making a mistake.

Business is about as good as is usual at this season of the year. An occasional busy day is the good luck of some of the stores. Graham will be right in it over



BASKET OF ROSES.

the "Fourth" having a \$2000 contract with the city to decorate a number of carriages, drags and four-in-hands that are to take part in the parade in honor of the day. The separate decorated wagons to be furnished by such florists as choose to take part, for which \$50 each was appropriated, was changed and the whole

amount put into one fund.

There is quite a difference of opinion as to whether grafted Kaiserius are any better than those on their own roots. Geo. Anderson claims to have a lot of young virgin stock that are equal to, if not better than any grafted plants. Chas. F. Evans, of Rowlandville, is cutting Kaiserins from grafted stock planted since Easter, from which he is getting flowers with stems fifteen to eighteen inches long.

Emptying, filling and planting rose houses is still the principal work among the growers. Sixteen to eighteen loads of soil are required to plant a house

20x100.

Commodore Westcott will command another expedition to Waretown, X. J., some day next week. Spanish mackerel will be most diligently searched for, though if anything else Spanish should make an appearance we are afraid that the Commodore and his party, while brave, would immediately pull for the shore. They will not be without ammushore. They will not be without ammu-nition, however, and will no doubt catch barrels of fish.

George Anderson won the Gun Club medal for the year at the deciding shoot last Tuesday. George has a great eye and although always scratch man he generally manages to hold his place in the front rank in spite of the handicaps.

On June 25 the crack shots of the Highland Gun Club, of Germantown, deleated the Florists' Gun Club by a score of 151 to 128 out of a possible 200. There were eight marksmen on a side.

#### Boston.

CONDITION OF JUNE BUSINESS.—END OF SEA\* SON, -EARLY CLOSING. -SUMMER EXHIBI-TIONS IN HORTICULTURAL HALL.—DECIS-ION IN THE HAYES WILL CASE .-- LOCAL NOTES.

Business continues fairly active but is not and has not been equal in volume for June as compared with former seasons. Prices are also decidedly lower all along the line than ever before at this date. Outdoor roses have been unprecedentedly poor, and their inferior quality has prevented their making much impression on the cut flower market, which is badly lacking in good roses of any kind. Of carnations there is a superfluity in all colors,—quality affected by hot weather, but still presentable. Weddings are still using a good many flowers but the end of the rush is now in sight. Lily of the valley has not moved so readily as it should, the quantity called for being limited and the prevailing prices low. School graduations are pretty well cleaned up Saturday, July 2, is the big wind-up day for the public school graduates in Boston, for the public school graduacean, when bouquets and ac cream will be pro-when bouquets and ac cream will be provided for three thousand or more. city order for this number of bouquets has been divided up among a large num-ber of the local florists as usual. Then the rush for country and seaside will be on and all good florists will close their stores at 5 p. m. regularly, take a vaca-tion themselves, and present their employees with two weeks pay in advance and tell them to do likewise.

Saturday, July 2, introduces the first of the regular series of weekly flower shows

at Horticultural Hall. From noon until 3 p. m. every Saturday a good exhibition may be looked for, and florists from other places who may come Bostonwards should not fail to visit there. Hardy roses, Japanese and English irises, sweet williams, campanulas, delphiniums, Shirley poppies and herbaceous plants are the specialties for which prizes are offered on July 2. On July 9 hollyhocks and native flowers have their innings.

The supreme court has decided that payment to the Massachusetts Horticultural Society as residuary legatee, under the will of the late Francis B. Ilayes, shall be estimated from the time of death of the testator and not from the time of the probate of the will, as has been contended. Interest at 6% has thus been allowed to all other legatees and the amount remaining for the Horticultural Society is reduced to that extent.

A. H. Hews & Co. have just completed a commodious new office at their pottery

in North Cambridge.

Mr. and Mrs. Carl Beers have been in Boston a few days, previous to their departure for Europe per steamer Catalonia, June 29.

Recent visitors: S. S. Pennock, Philadelphia, Pa., and H. S. Anderson, Eliza-

beth, N. J.

#### Chicago.

IUNE LEAVES THE CUT FLOWER MARKET FLAT.—A SYMPOSIUM OF PLANT GROW-ERS' EXPERIENCES — DEATH OF MRS. REDFIELD,-JOTTINGS OF PERSONAL MAT-TERS.

A week ago the cut flower market was completely cleaned out of stock, and any kind of a flower would sell. Everyone was satisfied with the school commencement trade; that it was the best ever known in Chicago is the nearly unanimous verdict of both wholesalers and retailers. At present trade is hovering around the zero mark, there being very little demand for anything in the cut flower line, and if there was a call for flowers there is little stock in the market to supply the demand. About the only flowers the retailer has to offer that he is not ashamed of are sweet peas and longiflorum lilies. These are plentiful and of fine quality. There are a few really good Meteor and Kaiserin roses on the market, and also a few fair American Beauties, but most of the Beauties that come in are off color or wide open on account of the heat. A few growers are sending fair Brides and Bridesmaids, but generally the stock of these roses is very poor. Carnations are getting smaller in quantity and size, and poorer in quality. Fakirs have sold them at 5 cents a dozen this week.

John Lang has for a number of years made a specialty of growing bedding He says plants for the wholesale trade. that the demand for this class of stock has been very good this season, as he had a larger supply than usual and sold out of everything except verbenus. grew about 20,0 0 geraniums, of which Bruant and S. A. Nutt were the leading varieties. For single searlet he grows principally Queen of the West and H. K. Klifton, with Mrs. Hill and Jos. Vick, salmon pink, Emile de Girardin and Pink Perfection for pink. He grows about 1,000 fuchsias, more than one-half of them Black Prince. Of his 20,000 pansics all were sold.

August Jurgens is a large grower of bedding plants, and retails most of his crop. His spring plant trade amounted to about the same as last year; he sold

more stock, but not at quite so good prices. Mr. Jurgens finds very little demand for any geranium except scarlet, and with him S. A. Nutt and Bruant are most in demand, but he thinks J. J. Harrison a better variety, and will grow it in place of Bruant next season.

August Dressell is another extensive grower of bedding plants who reports trade in this line better than last season. E. Wienhoeber has a very large retail plant trade, most of his stock going to to regular customers of several years standing. Mr. Wienhoeber grows only a few varieties of geraniums, all single and nearly all scarlets. The varieties he grows are principally Queen of the West, H. K. Klifton, Excellent and R. Mason. The latter gives the most general satisfaction. Mr. Wienhoeber states that because of cold weather bedding out did not com-mence this season until about ten days later than usual, but that while the season lasted, which was about a week less than is common, plants sold with a rush and that the total spring business was very large.

E. Hobbs reports the bedding plant trade as satisfactory, fully as good as last season. With Samuel Muir's estate spring plant trade was not so good this season as formerly. Geraniums sold quite as well but alternanthera, verbenas and all seedlings sold very poorly. J. T. Kidwell & Bro. found plant trade not up to last year although they sold out all the geraniums they had grown and had to buy a few hundreds. Andrew McAdam sold about as much stock but prices were not quite up to last year. He sold out of everything except geraniums, of which he had a larger stock than usual.

Mrs. Cora Redfield, widow of the late James Redfield, died Sunday June 26. Mrs. Redfield was the daughter of the late John A. Kennicott, who was for many years horticultural editor of the Prairie Farmer, and sister of Amsey Kennicott and Flint Kennicott who are at present in the florist business and well known to the trade. The family have the sympaties of their many friends.

C. W. McKellar returned last Wednesday from Mt. Clemons, Mich., where he had been sojourning for a few weeks.

Blair Winters was run into by a grip car at the corner of Wabash avenue and Randolph street a few days ago and the carriage in which he was riding at the time was badly damaged; fortunately he escaped without injury.

Mr. and Mrs. Emil Buettener and chil-

dren will leave July 4, for a two months

trip to Europe.

Bassett & Washburn and Wictor Brothers are cutting American Beauties from their young stock of this season's planting.

The first onting of the Florists' Club will take place July 10. The train will be taken at the Randolph street station of the Illinois Central R. R., at 12:45, for Henry Hilmer's greenhouses, Blue Island. Ladies specially invited.

Visited Chicago: Edward E. Uslar, and Henry Ruchl, California Nursery Co., Niles, Cal; Messrs, W. Hizer, Lawson and J. J. Soper, Rockford, III; E. G. Hill, Richmond, Ind.; P. J. Lynch, of Dingee & Conard, West Grove, Pa.; William Hageman and Mrs. Hageman of Philadelphia.

NEWBURGH, N. V.—David Cook, the well known floriculturist who was for some years gardener for J. Pierpont Morgan, the multi-millionaire banker, has established his son Charles in business at Fishkill.

#### The American Florist

Subscription \$1.00 a Year. To Europe, \$ Subscriptions accepted only from those in the trade. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

#### No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the Issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE man who rents palms and never returns visited Utica and other New York cities during the week. This seems to be his busy season.

JUDGE C. C. COLE, well known to the craft at the earlier conventions, and Mrs. Cole on June 25 celebrated their golden wedding. The event was the occasion of a large gathering of their friends at and near Des Moines, Iowa.

THE Society of American Florists has adopted as its badge for the August convention a silver rose leaf embossed "S. A. F. 1898," which should be provocative of warm greetings at the home of the good friends of the white metal.

#### Florists' Early Closing.

We, the following wholesale florists of Chicago, hereby agree to close our respective places of business at 5:30 p. m. from Tuesday, July 5, until Monday, September 5, 1898, or until duly published notice to the contrary. We furthermore agree that in the event of withdrawal from the obligation hereby entered into, to give written notice to all parties signing this agreement, not later than Thursday previous to the Monday on which said withdrawal goes into effect.

WIETOR BROS. WIETOR BROS.

REINBERG BROS. E. C. AMLING. W. E. LYNCH. S. B. WINTER. REINBERG BROS.
E. C. AMLING.
W. E. LYNCH.
S. B. WINTER.
KENNICOTT BROS. CO.
A. G. PRINCE.
J. A. BUDLONG.
VAUGHAN, M. KELLAR A. WINTERSON.

#### Fortunate Unfortunates.

We have received photographs which show all that was left of the estab-lishment of the Humfeld Floral Com-pany, Kansas City, Mo., after the hail storm of May 14. In a quarter of an hour that afternoon they lost 17,509 square fect of glass out of a total area of 21,073 square feet, but they were insured and received the check of the Florists' Hail Association in ample time to meet the bill for the restoration of their transparent roofing. This was the heaviest hail storm on record, and, as the pictures show, it made virtually a clean sweep of all glass in its path. In some of the large rose houses of the Humfeld Company but eleven lights remained unbroken in the southern slope. Their palm house was covered by lath, many of which were broken with the glass. tunately their palms escaped greatinjury, although the loss in other houses was severc.

#### The Sale of Paris Green and Other Insecticides in Kentucky.

ED. AM. FLORIST:—Can you tell me whether I have a right to sell Paris green and insecticides at retail to my trade. I

notice that Paris green is offered by seedsmen all over the United States, and they pay no license as druggists. Our druggist says that I must be a registered druggist before I can retail Paris green, and threatens to indict me if I continue to sell it.

Your query as to the right of a florist to sell Paris green and insecticides at retail in Kentucky, is received. I am not conversant with the Kentucky statutes and decisions, if any, but I understand that under section 2627 of Barber & Carroll's Statutes for 1894 (Kentucky) it is made a misdemeanor for any person not a registered pharmacist, to sell certain articles denominated as "poisons" and among those articles enumerated by the statute, appears Paris green. Insecticides are not therein mentioned specifically as poisons, but patent medicines or preparations of which insecticides may be one, are to be submitted to the State Board for examination for them to determine whether or not they are poisons in the meaning of the law, and if so, then they are to fall within the prohibition governing the sale of poisons. Your correspondent will have to be guided by the Kentucky law on that question. There is little doubt but that the state would have the right to regulate in a proper and uniform manner the sale of articles which endangered the public health. H. W. MAGEE.

#### Cut Flower Price Lists Received.

Cincinnati Cut Flower Co., Cincinnati; Wm. F. Kasting, Buffalo; Bassett & Washburn, Chicago.

#### Catalogues Received.

Tokyo Nurseries Co., Komagome, Tokyo, Japan, bulbs and plants; The Walker Fertilizer Co., Clifton Springs, N. Y., fertilizers; The Malin & Co., Cleveland, Ohio, wire; W. W. Rawson & Co., Boston, Mass., bulbs; Joh. Telkamp, Hillegom, Holland, bulbs; Rose Manufacturing Co., Niagara Falls, N. Y., insecticide.

#### Greenhouse Building.

Milford, Conn.-(). H. Nve, three commercial houses. Skowhegan, Me.—C. A. Leighton, one

commercial house.

Hingham, Mass.-Elijah Whitton, one greenhouse. Landenberg, Pa.-C. F. Brandyberger,

two commercial houses. Danville, Ills.-John Willins, 100 foot

modern rose house. Luncaster, Pa.-W. J. Palmer & Son.

two houses 20x125, one house 18x165, connection house 10x100, boiler house 40x45, 65-foot chimney, vault 12x45 to hold 200 tons of coal.

Bangor, Me.—Carl Beers, one commercial "slope house" 45x150.
Chester, Pa.—W. L. Edwards, two commercial houses.

The Dalles, Ore.-A. C. Stubling & Son, one carnation house. Atlantic, Iowa.—C. G. Anderson & Co.,

one rose house, one carnation house.

New Castle, Ind.—South Park Floral

Company, three new houses each 24x125.

#### Boilers.

ED. AM. FLORIST:--We understand that the government uses a common tubular boiler for all heating purposes, and that they have found by experiments this is the best and most economical. The government, however, uses only hard coal. This boiler has a return flue and then again returns the heat over the top of the boiler. Could we use such a boiler with soft coal, or would the soot accumulate badly by so much returning? J. &. S.

The government uses a great variety of boilers, and so far as 1 am aware the kind described is no more used than several others. If a tubular boiler is desired I would use the ordinary form set so that the smoke will return through the tubes. Soft coal can be used with this boiler if a fair draft is provided. If an additional return flue is provided it will be necessary to have a much higher chimney, and with soft coal the results will be far less satisfactory than with the common tubular form. L. R. TAFT.

#### Scale on Trumpet Vine.

En. Am. Florist:-I enclose sample of scale, taken from a trumpet vine. Can you inform me through the columns of your publication what species it is?

ONTARIO.

The scale is some species of lecanium; it would be difficult to determine just what one. As the young lice are just hatching, in order to get rid of them it would be well to wait a week or so, until they are all out, and then spray with a solution of whale-oil soap, one pound of soap to five gallons of water. The solution must hit the insects to kill them. Spray thoroughly and repeat the application in a week or ten days. M. V. SLINGERLAND.

#### Piping.

Ed. Am. Florist: - Please tell me through the columns of your paper how much 4-inch hot water pipe will be needed to heat a greenhouse 16x90 feet and 12 feet high at the ridge, temperature in winter from 10° above to 10° below zero. The system will have to be arranged so that the boiler pit need only be about three feet deep.

C. J. B.

If the walls are not more than five feet high and contain no glass, a temperature of 60 can be secured if seven lines of pipe in two coils are used, while but five will be required for 50°. Fairly good results can be secured if a 3-inch main is run to an elevated expansion tank from which 212 inch supply pipes are carried to each of the coils. The 4-inch pipe should be so arranged that one pipe on each side of other beneath as returns. The supply pipes from the expansion tanks should connect with the 4-inch flow pipes. A better way would be to run two 21-ginch overhead flows to the farther end of the house and there connect each of them with either two or three 4-inch returns, the former for 50° and the latter for 60° Unless the 4-inch pipe is on hand, a still better way will be to use 2-inch block pipe for the returns, four upon each side of the house being required for 60 and three for 50. L. R. Taft.

#### Potting Chrysanthemums.

ED. AM. FLORIST:-Kindly let me know through your columns if pot-bound chrysanthemums, when the buds make an appearance, should be re-potted or given additional food in some other way? P. N. H.

If the plants are intended for specimens and have been allowed to get so hard and

pot-bound as to have set their buds from that cause. I believe it is all up with them so far as good plants are concerned. I do not see how they could form buds if pinched back properly, as the shoots should not be allowed to get long enough to form a bud, but topped back after two or three leaves are made. There are some varieties which are not adapted for pot plants, as they run early into bud and it is next to impossible to make decent plants out of them. This is the wrong time of the year for chrysanthemums to be pot bound; they should now be making all the growth possible, for as soon as they are pot-bound they will become hard and stunted, and then it will be impossible to make good plants of them. I do not see that anything would be gained now by feeding the plants, for that would only hasten flowering if they are allowed to remain in the same pots; they might be given a larger pot, rubbing out the flower buds if the plants give any indication of breaking into new growth. C. W. Johnson.

#### Grubs in Soil.

ED. AM. FLORIST:-When the soil in which plants are bedded becomes infested with grub worms, what can be done to stop them destroying the roots?

N. P. Co.

The "N. P. Co." are not sufficiently speeific in their description of the grub worms with which they are troubled. It is very likely to be. I think, the larvie of the May beetles or June bugs, which are also frequently called cockchafers. Most of us have had our troubles with this pest, but so far as 1 know positively the loss of a plant is the only indication where the grub worm may be found, and the only cure when caught is a well directed pressure of the foot. Whoever has had a bad loss through the destructive larvae referred to is sure to have a nervous spell if some of them are found when the soil is being handled prepara-tory to its use. If this case is diagnosed correctly, the bark of the plant is eaten off just below the surface of the soil and above the root stock, and as soon as a plant exhibits signs of distress, we must immediately, though carefully, proceed to locate the enemy, and when found remove it with dispatch, for as soon as it has caused the death of one plantit will withour any unnecessary delay move on toward another. These pests are generally to be found the most plentifully in old sad, and in some years they are apparent! much more numerous than in others. When they are found in the soil before planting is commenced it is the sabst way to have some plants in reserve to he up possible gaps. Sometimes in beds we may by close observation notice what appear to be anniature molerums, cuefully follow these up, and the grubs that possibly be located. Anything applied to the soil that would be likely to 11% the grubs would most likely kill or at le som are the peants, excepting proba-bly has alphase of carbon. By the milione of suppose of carron. Try the find some apparation of its death dealing force to anderground parasites, I have had some even, but it has to be used with great order on account of its 1. 1..

#### Hard Nuts to Crack.

Here and trove sponsile's journe, one or amous, to a note where least expected a true place opher, a man scho, uncorsciously pethops, presents force for thought to his fellows in such a simple,

sincere form that they can not escape the conviction that here, surely, is something demanding earnest consideration. a man is he who penned the letter to a triend from which we make this extract:

"I am making out my Dutch bulb list but do not think I shall need 100 as it looks as if people want cheaper plants. Spring trade was good; sold more than in tormer years but didn't make any more money as I had to sell cheaper. florists sell 4-inch geraniums for 60 cents a dozen, and send a man to plant them, one has to begin to hustle. It is almost useless to buy new varieties as some florists go to the different parties and ask for the plants in the fall, agreeing to replace the beds free of charge in the spring. Of course they go only where there are real good things and don't put back the same class of stock. Also they will sell to peddlers at the regular price less 25%. This is a fact. You can guess who is making the money; the peddler, of course. I oftentimes wonder why the wholesale houses set up another green-horn in business only to spoil the trade for a good florist. The consequence is that the florist has to buy in lesser quantities; it is that way with me; I can not risk another 100 azaleas when by the time they bloom cinerarias in 5 and 6-inch pots are offered for 10 and 15 cents. I have to drop off on French Romans when others will sell for 20 cents a dozen. Wonder if we could license the florist business, something as the plumbers do? My next door neighbor has discontinued his store; he says it didn't pay. \* \* \* \* You may think I am pav. disgusted, but I'm not, by a long way. I sold all I could raise this spring and a good deal more, but am in a position to build another house. What do 1 want? I only wish I could collect a little more, but, don't you know, people think I am rich because I have a fine store in the

In these terse confidences of friend to friend there is that which should be given thought-hard, deep, earnest thought. To what level is trade sinking when florists will, to secure good stock, solicit the privilege of taking up old plants, offering to put out new ones free the following season? To what are we approaching in this race for cheapness? Are we on the down grade? Has this florist blown the call for brakes? Where is the remedy? Is it in better stock, more stock or less stock? Are we satisfied, as is our philosophical correspondent? Is all well, people esteeming us rich because we have fine stores? Surely these are matters of moment that demand consideration and answers which will do in practice that which we make them do in theory.

#### St. Louis.

OFD SOE SCORCITES THINGS IN THE MIS-SOURT METROPOLIS, -- PLANS FOR THE CONVENTION. —BOWLERS GET PRIZES.

Longings for the blasts of Old Boreas have come to Missourians for the past few days, for the hot wave hit us hard, and the volume of business and price and quality of stock shrunk as would a snow ball in midsummer. There was some demand for roses, but few good blooms were in the market. There was some sale for good white countions, prices from 81 per hundred down, but the supply was not large. Sweet peas may be purchased anywhere at from 15 cents 20 cents per thousand, and other outdoor stock is plentiful.

The I forists' Club will meet July 11 at tip in for a basiness session. Arrange-

ments will be made to attend the S. A. F. convention at Omaha. We anticipate a large attendance from here.

The picnic committee has at last selected Belleville as the scene of the annual pienic, but has not yet decided upon a date.

The bowlers are practicing twice a week, preparatory to going to Omaha, and are making some excellent scores. Last Monday night's three games ended a series of twelve championship contests, in which J. J. Beneke won the most prized trophy with a grand average of 176. C. A. Kuehn was second with an average of 172. Emil Schray won the high score medal and left the mark at 244; John Young was second to him with 234, both very handsome records.

#### Relative Merit of Bulbs.

The Gardeners' Chronicle of June 11 contains the following account of a bulb election recently instituted by the Dutch Bulb Society:

#### HYACINTHS.

| V. C.             | a ana Nose-Colorea |              |
|-------------------|--------------------|--------------|
|                   | Votes.             | Votes.       |
|                   | 268 Fabiola        |              |
| Lord Macauley.    |                    |              |
| Charles Dickens   | 187 Sir John I     | Foxburgh     |
| General Pelissier | 172                | only 1 vote! |
| Chribaldi         | 115.1              | -            |

#### White Colored (Single and Double).

|                | Votes.1 | Votes,   |
|----------------|---------|----------|
|                |         | Votes211 |
|                |         | hard102  |
| Bar, yan Tuyll | 215     |          |
|                |         |          |

#### Blue (Single and Double).

|                                        | Votes,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |
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| <ul> <li>Queen of the Blue;</li> </ul> | 8. IS3 Grand 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ilas101     |
| - Čzar Peter                           | 150 Captain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | : Boyton 99 |
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| Leonidas                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |
| Yellow                                 | (Single and Do                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | uble).      |
|                                        | A CONTRACTOR OF THE CONTRACTOR | 9.4         |

Purple (Single and Double).

# Votes, Votes, Votes, Sir William Mansfield 129 Lord Mayo. 50 L'Unique. 52 Lord Buffour. 49 Tadifs (Single Early).

| Prins van Vosteniyte 322                           | Gouden Standaa                        | rd211      |
|----------------------------------------------------|---------------------------------------|------------|
| - Silverin Standaard, 304                          | Witte Falk                            | 200        |
| Mor Tresor                                         | Jagt van Rottere                      | lam. 199   |
| Axing of the Yellows 273                           | Due van Tholl (                       | rose), 179 |
| Confeur Cardinal 272                               | Maas                                  | 171        |
| La Belle Alhance                                   | Van der Neer                          | 171        |
| (Waterloo)257                                      | Due van Thell (v                      | chite 169  |
| Rembrandt235                                       | · · · · · · · · · · · · · · · · · · · | uson) 160  |
| Nelly 234                                          | Koningin der N                        | eder-      |
| 13 c. v. aviera, 2016 - 11 (a. v. 11 c. v. 3) 1012 | lum lon                               | 1.07       |

### Tulip (Double).

# Votes. Votes. 340 Rev. Rubrorum (var-| Votes. | Votes. | Votes. | Votes. | Conronne d Or. | 330 Rex Rubrorum (vartitium | 254 | regated) | 141 Glora Solis | 231 Fluwcelen Mantel | 139 Conronne des Roses | 193 Geleroos | 135 Rubra Waxima | 194 Leonardo da Vinci | 134 Blanche Hative | 175 Lord Beaconsheld | 124 El Torcador | 160 Le Blascon | 113 Wilhelm 111 | 156 Lucretia | 113 Mariage de ma Fille | 155 Parmessauro | 194 | 156 Lucretia | 114 | 156 Lucretia | 115 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 14

# Parklet Perfects Votes, 
Tidits (Parious).

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|----------------------|-------|-------------------|-----|----|-----|-----|
| Vo                   | les.  |                   |     |    | 110 | ٠., |
| Golden Spur          | 126   | Her Majesty       |     |    |     | 30  |
| Poetiens Ornalus.    | 85    | Bicolor Victoria. |     |    |     | 35  |
| Henry Irvane         | 7.1   | Trumpet Major     | , , |    |     | 30  |
| Albus Plenus Odoratu | s 11  | Poeticus          |     | ٠. |     | 29  |
| Brealer Grandis.     |       | Barri Conspicuus  |     |    |     | QN  |
| Von Sion (double)    | 37    |                   |     |    |     |     |

#### Roses on the Wooded Island, Jackson Park, Chicago.

Visitors to the World's Fair will remember the Wooded Island in Jackson Park, now much more deserving of the title than it was then. The trees, especially the willows, have made wonderful growth, bringing out in faller relief the

One of its purposes of the designers. most attractive features at that time was the rose garden, and under the fostering care of Mr. Fred Kanst this has been so well maintained and developed that the display this season far excels anything of the kind ever seen in or around Chicago. Thousands throng the island daily, and everyone seems to know that the roses are of a very superior quality this year. Mr. Kanst modestly assures us that the gratifying results are largely due to an exceptionally favorable season. While the weather may have had something to do with it, we know that the outcome depended more strictly upon skillful management, And yet, there is no secret about the methods practiced here, and they are essentially the same as are adopted by rose growers in all tem-perate countries. The beds are covered in autumn to a depth of two or three inches with leaves. This covering is removed in spring, and when the plants have been pruned—an operation per-formed when the wood buds are beginning to swell—a dressing of cow manure is applied and dug into the soil, taking care to keep as much as possible of it from direct contact with the roots. When the warm weather comes, and before the flower buds expand, the beds are given a coat of lawn mowings, and this in a general way completes the work. selected the following as the hest varieties for general cultivation: Caroline d'Arden, rose; Pæonia, red; Baroness Rothschild, rose, Facolial, Fed, Bartoliess Rothschild, rose pink; Mrs. John Laing, pink; Comtesse de Sereny, silvery pink; Paul Neyron, deep rose; Camille de Rohan, deep crimson; Marshall P. Wilder, rose and carmine; Margaret Dickson, white; General Jacqueminot, bright crimson; Mabel Morrison, white; Jean Liabaud, crimson maroon; Anna de Diesbach, carmine. In another section of the park a very fine effect was produced with Fairy Queen against an extensive bank of shrubbery. J. T. A.

#### Shading Greenhouses Temporarily.

As I am now busy painting the rose houses, removing the soil and refilling the benches, I have thought it opportune to give your readers the benefit of my experience in making a rose house a comfortable place to work in when the sun is shining brightly on a hot summer day.

My first trial in this line was in 1889. I had just finished two new houses and it was bright, hot weather. We were anxious to get them filled and planted, but it was impossible to work in such a temperature. I suggested wetting the glass and dusting some flour on it. A pan of A pan of flour was soon procured and dusted over the house. We filled and planted the house in comfort, wondering, meanwhile why no one had tried the plan before. But we never used it again. It had to be taken off, for the roses would not grow without sunlight, and the time spent on the roof of those houses with soda, hot water, cloths, brushes and putty knives, rubbing and scraping, more than counterbalanced the pleasure and comfort we had experienced working in the shade.

The flour baked into bread and we did not run short of that article of diet very quickly, for it could be found on the glass until the following summer. Since then we have been in the habit of mudding our houses, that is, mixing up a bucket of mud and putting it on with a white-wash brush. This answered the purpose fairly well. A shower, however, is liable to wash it off before the work is finished, and one is then compelled to repeat the operation. But when the work indoors is

completed, the weather clerk sometimes forgets that his assistance is needed and it becomes necessary to ascend to the roof and wash it off. Then, too, it leaves the nice white paint all stained with mud, which will not come off until it is washed by a number of heavy rains.

This season I have been using shading cloth, unbleached muslin dipped in some preparation to prevent its mildewing. The secdsmen all keep it for sale. This we sew together so as to make one piece cover the front of the house and another to cover the back. It is quickly put up and as quickly taken down. Rains will not hurt it, and with careit ought to last several years. But if it only serves one year it will be a good investment, for the men with its aid will do the work in so much less time as will pay for the material, not to speak of the comfort in doing With this material in place, and the front and top ventilators wide open, the workmen can attend to their duties in the houses with no greater exertion than would be required outdoors in the shade of a tree.

I have sixteen houses to fill and sufficient material to cover two of them. When two are completed, the shading is removed to two others, and it is my intention to proceed in this way to the end. My planting, with less help, is in a more advanced state that it has ever been before at the same date, and the credit must certainly be given to this idea in Joseph Heacock. shading.

Wyncote, Pa.

#### Baltimore.

CONDITIONS SHOW A SLIGHT IMPROVEMENT. -CLUB PLANS A PICNIC.-STORES KEEP UP APPEARANCES .- FUNERAL ARRANGE-MENTS.

The prolonged dry weather has had the effect of considerably shortening the supply of outdoor flowers, and a slight improvement in the market is the consequence. Whether the improvement will continue remains to be seen, as a heavy thunderstorm has just relieved the drought, but unless followed by others pretty frequently the relief will be only temporary.

The Florists' Club was to have considered the time and place of the annual excursion at the last meeting, but it was judged best to put it off till next meeting,

Iuly 11. The stores keep up a brave show of colored cut flowers in the windows, though it must be done almost altogether for appearance's sake, as the only really reliable demand just now is for funeral work. Speaking of funeral work recalls a large casket cross seen last week, made entirely of white sweet peas and adiantum, which would have been very pretty had the sweet peas been either all dead white or uniformly pearl, sulphur or skimmed-milk blue; but as it was, the tinted whites looked bad beside the pure whites, and cach tint seemed to have a bad effect on its neighbor, thus spoiling what was otherwise a chaste and tasteful arrangement. MACK.

#### Atlantic, Iowa.

Spring trade has been good with all the nurservmen here and C. G. Anderson & Co., who started in business a year ago, are so well pleased with their success in floriculture that they are building two new houses, one for roses and one for carnations. The John C. Moninger Company of Chicago, supplied the material and the structures are to be thoroughly modern in every respect. Anderson &

Co. have a virtual monopoly of the trade in this and several adjacent towns and, with their new houses, will have a very fine establishment for a city of this size.

#### Auburn, N. Y.

It is estimated that hail did \$30,000 damage here on June 12. As is usual in such cases the florists were the heaviest losers, A. Patrick alone losing nearly \$6,000 in broken glass and ruined stock. Others who suffered severely were Carl Armbruster, J. Elletson, Jacob Wide, James Morgan and Hick & Son, who have, in the aggregate, about 40,000 feet of glass. Besides these commercial losses several fine private greenhouses, notably those of the Misses Willard and Mrs. Osborn, were greatly damaged.

ROCK ISLAND, ILLS.—John J. Mulhern, who had established a reputation as a gardener, died June 20. He was a native of Ireland and was 60 years of age.

#### SITUATIONS, WANTS, FOR SALE,

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1888 is entitled to a dive-line want adv. free to be used at any time during the year.

SITUATION WANTED—As foreman, by first-class rose grower. Beauty growing a specialty. Competent to take full charge of commercial place; married. First-class references.

F. G. Englewood, N. J.

SITUATION WANTED—By a practical working fore-ing man: 13 years' experience in growing roses, carna-tions, violets, 'mums and pot plants; age 28, single. State wages. Address (COMET, White, Hell, III) FRANK FLORIST, White Hall, Ill.

WANTED-First-class rose grower, as working fore-man, with references. WAMELINK BROS., Cleveland, O.

WANTED-Single man, German, for greenhouses; must be good on design work. Steady place for good, sober man. Inquire VAUGHAN'S SEED STORE, Chicago.

WANTED-Man to take charge of range of ten or twelve rose houses; must understand steam and hot water heating. Address A. FRIEDMAN, Woodlawn, New York, N. Y.

WANTED AT ONCE-Florist, single, stendy, to grow roses carnations, violets and general greenhouse slock. State wage's expected with board, Address

WANTED-Working foreman. Must be a successful propagator of roses, bardy vinea, new bardy shrubs ele. Greenh uses int st construction, steam heat. Suburb of Philadelphia. Must be a married man, sober and industrious, and must turnish beat references as to experience in this line. State age, nationality and wages expected.

M. T. S. care American Florist, Chicago.

FOR SALE-100 boxes 14x24, and 50 boxes 10x14 single thick A glass. Address Box 235, fronton. O.

FOR SALE-Well-paying retail florist business, store and greenhouses 11. N. BRUNS. 600 W. Van Buren St., Chicago.

FOR SALE—One 10 II. P tubular boller in good con-dition; only used two years - Price \$40 f. o. b. here. MRS. H. C. BUCHELER, Oconomowoc, Wis.

FOR SALE CITEAP—Only greenhouse in town of 4000 L. Southern Michigan. Good reason for selling. Address C. H. Picki Hudson, Mich.

Three greenhouses: 4 lots in the shape in the city limits of the best mining town of America; must sell; have mining interests. Address. 55 So. 1st St., Cripple Creek, Colo,

#### CHICAGO LOTS FOR SALE!

One block from corner Lincoln avenue and Wellington street, a bunch of juts at \$5 per front foot, sewer and water—Sultable for greenhouse purposes.

JAMES ROOID, JR.,

Tel. Main 3868, Room 5, 134 Lake St., Chicago.

The largest greenhouse plant in Texas. As we have decided to devote our whole attention to our seed business, we offer our greenhouses and 10 acres of land for sale. Have 15,000 square feet of glass, all perfectly new and built with all modern lamprovements. Will sell hand, greenhouses and stock or greenhouses and stock and rent land. We have the largest trade in plants and cut flowers in Texas. Pu chaser will step into a first class established business. This is a charce that is seldom offered. Write for particulars if you mean business to

TEXAS SEED & FLORAL CO., Dallas, Texas.

# t ()RCING BIII BS

We have closed contracts with some of the best and most reliable producers for our stock of Roman Hvacinths, Tulips, Dutch Hyacinths,

Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas, and all leading Forcing Stock. See Give us a list of your wants and we will quote same.

> DON'T FORGET THAT WE ARE STRICTLY IN IT ON SUPPLIES ALL KINDS, SEEDS, BULBS AND CUT FLOWERS

# VAUGHAN, McKELLAR & WINTERSON, 45, 47 and 49 Wabash Ave., CHICAGO.

THE "OLD RELIABLE" FOR

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

# A. G. PRINCE & CO. Wholesale Gut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

88 & 90 Wabaah Avenue, Telephone Main 3208. CHICAGO.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

### S. B. WINTER.

(Successor to WINTER & GLOVER,)

21 Randolph St., Chicago.

#### HIGH GRADE JU

PACKED RIGHT,

so they will reach you in just as good condition as they reach us. WIRE DESIGNS: A Full Line. Write us for

our lilustrated Catalogue.

# Wholesale Flower Markets

| CHICAGO, July 1.                 |
|----------------------------------|
| Roses, Beautiesper doz75@2.50    |
| " Brides 2 00@ 3.00              |
| " Meteors, Kalserins, 2.00@ 5.00 |
| " Bridesmaids                    |
| " Gontlers, Perles 1.00@ 3.00    |
| Carnations, common               |
| " fancy 2.00@ 3.00               |
| Marguerites                      |
| Lily Oratum 8.00                 |
| Harnsti, Callas 3.00@ 5 00       |
| Lily of the valley 3,00@ 5.00    |
| Sweet peas 10@ .15               |
| Gladioit                         |
| Adiantum                         |
| Smilax 8.00@10.00                |
| Asparagus 40.00@75.00            |
| Panstes ,50                      |
| Pæontesver dozen25@ ,50          |



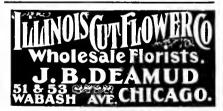
WHOLESALE GROWER OF ROSES.

DEALER IN CUT FLOWERS.

### J. A. BUDLONG

37-39 Randolph St.,

CHICAGO.



# WIRE WORK ASPECIALTY, 88 WABASHAVE CHICAGO.

E. C. AMLING

# Wholesale Cut Flowers

51 Wabash Avenue,

W. S. HEFFRON, Mgr.

....CHICAGO.

#### Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

### TOR BROS.

SUCCESSORS TO ROGERS PARK FLORAL CO.

# Growers of CUT FLOWERS

51 WABASH AVENUE

Haadquarters For American Beauties. ....CHICAGO

88 Wabash Ave., CHICAGO.

Wholesale Dealers and Gut Flowers

CREENHOUSES: HINSDALE. ILL.

WHOLESALE GROWERS OF

# բուսուսուսու<u>սուսուսուսուսուսուսուսուսուսուսու</u> Cut Flowers of the content of the state of the content of t

600,000 FEET OF GLASS.

We can be a corders on short notice with all leading varieties We can be a concerned when modes with an leading various of Powers and continuous. We are heading after fine American Beauties. Colorus a trust and convice yourself.

PLANTS SENT BY EXPRESS AT PLANT RATES, 20 PER CENT LESS THAN BERCHANDISE RATES.....

ROSE PLANTS

|                           | -           |          |
|---------------------------|-------------|----------|
|                           | Per 100     | Per 1000 |
| American Beauties, 21g-in | . \$4 00    | \$35.00  |
| 3-in.                     | 5.00        | 45.00    |
| Meteors 212-in            | . 2.50      | 22 50    |
| " 3 in.                   | 3.50        | 30.00    |
| Brides 21 g-in            | . 2.50      | 22.50    |
| Bridesmaids 212 in        | 2.50        | 20.00    |
| Testout 212-in            | . 250       | 22 50    |
| Belle Slebrecht 212 in    | . 2.50      | 22.50    |
| La France 212-in          | . 2.50      | 20 00    |
| Perle 212-in              | . 2.50      | 22.50    |
| SMILAX PLANTS, \$2 per 10 | 0; \$15 per | 1000.    |

REINBERG BROS..

51 Wabash Avenue, CHICAGO.

# MacDonald & McManu

**ORCHIDS** 

EVERY DAY

EXTRA FANCY STOCK FOR SPECIAL OCCASIONS.

TELEPHONE 2778 38TH STREET.

50 West 30th Street, NEW YORK CITY.

### TRAENDLY & SCHENCK. Wholesale Florists.

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

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### JOHN YOUNG. ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

NEW YORK. 51 W. 28th Street.

Price list on application.

MARKE | The New England Headquarters for the best grade of flowers at all seasons of the year....

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BOSTON, MASS.

### THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street.

II2 and II4 West 24th Street.

Telephone 733-18th. NEW YORK. CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders. Mention American Florist.

### M. A. HART. Commission Dealer Cut Flowers,

44 WEST 29TH STREET,

NEW YORK OITY.

THE BEST MARKET IN NEW YORK. 'Phone 1307 38th St.

# Wholesale Flower Markets

| NEW YORK, June 29.                                                    |
|-----------------------------------------------------------------------|
| Roses, Beauties. Hybrids                                              |
| " Bridesmaids, Testouts, Brides50@ 3 00<br>" Morgans, Meteors50@ 2 00 |
| Carnations                                                            |
| Lily of the valley                                                    |
| Harrisit 3 00@ 4.00                                                   |
| Smilax                                                                |
| Cattleyas 40.00@50 00                                                 |
| Pæonles                                                               |
| Boston, June 29.                                                      |

| Roses Beauties 5        | .00@15.00 |
|-------------------------|-----------|
| " Morgans, Meteors 2    | 00@4.00   |
| " Brides, Bridesmalds 1 | 00@ 5.00  |
| Carnations              |           |
| Lily of the valley 2    |           |
| Cornflowers             |           |
| Harrisit 3              |           |
| Sweet peas              | .10@ .20  |
| Smilax                  | .00@15.00 |

PHILADELPHIA, June 29.

| Roses, Beauties    | 1 00@20.00 |
|--------------------|------------|
| " Jacos            | 1.00@ 3 00 |
| " Teas             | 2.00@ 6.00 |
| Carnations         | 1.00       |
| Pæonies            | 2 00@ 4 00 |
| Lily of the valley | 2 00@ 4.00 |
| Harrisii           | 4.00@ 6 00 |
| Sweet peas         | 40@ .75    |
| Cattleyas          |            |
| Smilax             |            |

# LUDLOW ST. 7 PHILADELPHIA, PA.

# **ASPATAGUS**

Strings 8 to 10 feet long, 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

# Now They're

FLOWERS, ALL KINDS. PLENTY OF THEM AT

J. K. ALLEN'S 57 WEST 28th STREET,

TELEPHONE 382 38th St.

#### GALVIN & CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best mar tet.

Cood Money for your Flowers. Cood Flowers for your Money 49 WEST 29TH ST., NE TELEPHONE 1675 38tb St. NEW YORK.

# GEORGE A. SUTHERLAND, Cut Flowers & Florists' Supplies WHOLESALE.

67 Bromfield St..

BRIDESMAIDS

BOSTON, MASS.

JOBBERS IN

wnolesale Florists ALWAYS ON HAND CARNATIONS,

FLORISTS' VASES.

Horticultural Auctioneers. 84 HAWLEY STREET, . BOSTON.

# John I. Raynor,

49 WEST 28th STREET.

-NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

**Record Breaking Carnations** 

ALL THE YEAR ROUND.

# Thos. Young, Jr.

\* \* Wholesale Florist

43 West 28th Street, New York.

WALTER F. SHERIDAN, WHOLESALE

### FLORIST

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

#### ose Growers

Will find a good market and good returns for their stock at....

JULIUS LANG'S

53 W. 30th Street, - NEW YORK.

Edward C. Horan. 34 W. 29th Street, NEW YORK,

WHOLESALE • FLORIST.

Careful Shipping to all parts of the country
Price list on application.

# WM. C. SMITH, Wholesale Florist

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders.

Long Distance Telephone 5008 A.

# N. Y. CUT FLOWER EXCHAN

404-412 E. 34th St. Near Ferry.
Open for Cot Flower Sales at 6 o'clock
Every Morning......
DESIRABLE WALL SPACE TO RENT

FOR ADVERTISING.

JOHN DONALDSON, Secretary.

\*\*Wholesale Florists

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Consignments Solicited. Telephone, 260 38th St.

### FRANK MILLANG, CUT FLOWERS.

WHOLESALE COMMISSION.

408 E. 34th Street,

Cut Flower Exchange.

**NEW YORK.** 

#### Buffalo.

SUMMER CAUSES DECLINE IN TRADE.-THE EARLY CLOSING MOVEMENT, -FLOWERS IN THE PARKS. - PERSONAL JOTTINGS. PICNIC PROSPECTS AND AUTUMN EXHIBI-TION PREMIUM LIST.

The past week has shown a slight decline in trade and was a forewarning of what we will have from the first of July. Flowers still continue in fair supply. Carnations are keeping very well and candidum and auratum lilies are fine and

selling fast. The park flower beds present a very nice appearance now and when Niagara square is changed as the plans now are, will be a grand place. Mr. Olmsted, the landscape artist, was here last week to confer with the park commissioners regarding some changes in the park, Prof. Cowell, of South Park, reports

progress in his new greenhouses.

W. F. Kasting took a business trip of a few days to Cleveland, Erie and West-field and brought back John Shoenfelt, son of Fred Shoenfelt, of Westfield, who is enjoying a vacation from the Annapolis Naval Academy. Rebstock is showing a fine lot of Dracena terminalis in his window and is attracting a great deal of

Now that the hot summer months are here I hope that the florists will close at 6 p. m. during July and August and let us all have the benefit of the pleasant evenings, as the trade done after 5 p. m. does not pay one for the light, and everything is closed except saloons and eigar stores. There is some talk now of our annual outing, and we are waiting for President Scott to call a meeting and set a day for the picnic, which has grown to be a very enjoyable affair.

The Buffalo Florists' Club has issued its premium list for the annual autumn exhibition to be held November 9, 10 and 11. There are to be three classes, thirty-seven sections, for chrysanthemums and two classes, twenty-four sections, for cut roses and other blooms. Liberal cash prizes will be awarded in many sections; in the others cups, plates and other articles of value will be given. Lists and entry blanks may be obtained by addressing Wm. Legg, secretary, 1440 Delaware avenue.

#### Rothester, N. Y.

A gradual falling off in the demand for cut flowers is now everywhere noticeable. The dull season is rapidly approaching, and the retailers will not be overworked for several months to come. All flowers are quite plentiful and very cheap. The retail prices in some establishments are ridiculously low, and it is difficult for the other dealers to obtain a fair price for even the best of stock. Generous and frequent orders for funeral work have kept the store men going for the last two weeks commencements also have material), assisted in the disposal of the liberal supply of flowers, but the present weel opened very dull, and everybody can take it casy.

Sotable a roag the cut flowers in the market at present are the largeclusters of Crimson Fambler roses. They are really magnificer but unfortunately do not command a very high price in these dull days, still they are very desirable because they are now just beginning to bloom, while other outdoor roses are almost post their best and as the Rambler will continue in good shape for three or low weeks, the rose casen will be prolonged to the end of July

GIVE HEADQUARTERS US Α TRIAL. WE CAN **PLEASE** YOU. يو

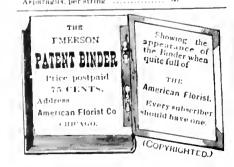
ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

WM. F. KASTING COMMISSION FLORIST....

495 Washington St., Buffalo, N. Y. Also Dealer in Florists' Supplies and Wire Designs

# Wholesale Flower Markets







# C. A. KUEHN, Wholesale Florist,

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.....ROSES, and a full line Headquarters for the South West.....

# ST. LOUIS CUT FLOWER CO. Wholesale Florists

E. H. MICHEL

1620 Olive St. ST. LOUIS, MO.

# CINCINNATI CUT FLOWER CO.

SCCCESSORS TO H. L. SUNDERBRUCH CO.

# holesale Commission Florists

4th and Walnut Sts., CINCINNATI, OHIO. Consignments Solicited. Special Attention Given to Shipping Orders.

# HOLTON & HUNKEL CO.

SUCCESSORS TO

The Wisconsin Flower Exchange. Fresh Cut Flowers, Florists' Supplies Manufacturers of WIRE DESIGNS

Consignments Solicited.

Phone Main 974 457 Milwaukee St., MILWAUKEE.

A material has been discovered for glazing which after thorough tests has been proven far super-tor to putty; it is easied

It is not affected by extremes of weather, and is thus especially adapted for greenhouses, etc. Send tor descriptive circular of Mustica and Mustica Glazing Mac bires.

10. 0. 1-110 RCIS CO...
Sole Manufactures
170 Fulton Street. NEW YORK.

"We Kill Weeds Scientifically"

TAIRMOUNT CHEMICAL EABORATORY N. W. Larner Broad Street and Lairmount Avenue, PHILADELPHIA, PA.

#### Helpful Reminders.

A lot of good potting soil should be provided in a convenient place and all the empty pots should be piled securely out of the way. Most of us have pots rolling over the floor, piled high on the potting bench no matter how small the bench is. Raffia, scissors, trowels, spade, baskets, a few stakes, etc., should always be close to where you are filling orders, but we stumble over a string of pots a dozen times and finally break them. "I haven't time," is allowed to pass for as excuse but it saves time to do work properly as you go along. Provide a place for pots where they can be conveniently piled from your wagon as it comes home with a few; this is where most of us miss it. Arrange to keep the larger pots by themselves; each size should be separated. We are shown some well provided and managed places and we say, "Well, they can afford to keep work done up" This is nearly always at larger places where they would soon be ruined were they to indulge in the slipshod methods some of us are guilty of.

You must have plenty of good soil; mould, sand, peat and mixed soil for general potting. Greenhouses with good soil, usually produce good crops, but with poor soil no one does. What to use and how to prepare it depends on circumstances. The finest soil for general purposes is made by burning turf and mixing with it cand and manuscrops and the soil of the with it sand and manure according to crops. It is always sweet and porous and you cannot go far wrong with such Many other arrangements can be made for some parts of the country, but always aim to get the soil that contains the most nutrition; then arrange it so that air and water can penetrate easily. It should not be a soil that will hold water to the exclusion of air, or, on the other hand, let the water pass through it too readily. It is moisture naturally rising that is made use of by the roots, and this movement cannot take place when too much water is held without the requisite amount of air. To provide this porosity is the only use of sand, and the burnt sod embodies this valuable property and at the same time is very nutritive. Those of you near tanneries can get burnt tan bark. When you do use sand have it clean and sharp. You must consult the nature of your crops to some extent and contrive to make the best use of what may be at your command; but the point I wish to emphasize is, that you eannot afford to burn coal, hire help and pay taxes for crops that are planted in poor soil, and now is the time to provide the best. This is your "goose that lays the golden egg.'

Prepare paper bags that hold one bushel and sell your soil for fifty cents a sack. If it is good soil you will sell enough to pay for the labor in mixing your whole supply.

Go over all your heating pipes and have all leaks repaired at once. Figure up how much coal you burned last year and see if you can purchase next season's supply any cheaper by buying early and C. B. W. in quantity.

Lynn, Mass.—Quinlan Bros. celebrated the tenth anniversary of the establishment of their business at 11 Summer street on Monday, June 20.

Oskaloosa, lowa.—The Kemble Floral Company, which was established in 1870, reports an excellent spring trade. They have 30,000 feet of glass and their stock is looking very fine.

# Going, Going, Gone!

and it's your own fault if you don't get the bargains. Auction Sales of Plants every Tuesday, Thursday aud Saturday at 9 A. M. at . . . . .

# McCarthy & Co.'S

If you want to buy, send for Catafogues. & If you want to sell, write for terms. & & &

#### IT PAYS!

# Your Spring Plant Trade

will come easier, and be more profitable if solicited in the nice way you can do such things by means of

#### LONG'S

# FLORAL BLOTTERS

DAN'L B. LONG, Publisher BUFFALO.

#### THE Regan Printing House NURSERY SEED **FLORISTS**

87-91 Plymouth Place, \*\*\* CHICAGO\*\*\*

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in either stiff or flexible cover. ADDRESS ORDERS TO

> AMERICAN FLORIST CO., CHICAGO.

#### JULY 8

The Nickel Plate Road will run an excursion to Chautauqua Lake, at one tare for the round trip. Write to J. Y. Calahan, 111 round trip. Write to J. Y. Calahan, 111 Adams St, Chicago, tor particulars. Telephone Main 3389 (39)

#### EXCURSION TO CHAUTAUQUA LAKE

over Nickel Plate Road, July S, at one fare for the round trip. By depositing tickets with Secretary of Chautauqua Assembly, same are available for return passage thirty days from date of sale. City Ticket Office tti Adams St. Van Buren Street Passenger Station, Chicago, on the loop. Telephone Main 3389. (40)

#### THE NICKEL PLATE ROAD

will sell excursion tickets to Chautauqua Lake and return on July 8, at one fare for the round trip, with return limit of thirty days from date of : ale by depositing tickets with Secretary of Chautauqua Assembly. Tickets good on any of our through express trains. Cheap rates to many other points East. Communicate with this office, 111 Adams St., Chicago, for any further information desired. Van Buren Street Passenger Station, Chicago. Telephone Main 3389. (41) THIS IMPRINT ON AN ENCRAVING

# CHICAGO

IS A CUARANTEE
OF SATISFACTORY
QUALITY....

Manz makes illustrations for this paper.

#### THE

# Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

ESTABLISHED 1841.

The "GARDENERS' CHRONI'/LE" has been for over fifty Years the Leading Journal of its class. It has achieved this position because white specially devoting itself to supplying the daily equipments of gradeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$1.20 per year-Remittances to be made payable to H. G. COVE.

OFFICE:-

41 Wellington St., Covent Garden, London, England.

### THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo. Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A., 387 Broadway, New York City,

J. D. McBEATH, N. E. P. A., 5 State Street, Boston, Mass.

C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, No.

A LL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the . . . .

# "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders: it is also taken by over 1000 of the best Continental houses. Address EDITORS OF THE "H. A."
Chilwell Nurseries. - Notts, England.

# FLORISTS' MUTUAL

# FIRE INSURANCE ASS'N

Application Blanks and Prospectus Ready....
Write now. Delays are daugerous.

W. J. VESEY, Sec'y, - Ft. Wayne, Ind.

For Insurance against damage by hail, Address

JOHN G. ESLER. Sec. v. F. H. A., Saddle River. N. J.

Now Ready The American Florist Company's Directory of Florists, Nursery-of the United States and Canada arranged both by States and Post Offi.es and all names Alphabetically. Price \$2.00. In Flexible Leather Binding, \$3.00 Fully revised to date with upwardsof

American Florist Company, 324 Dearborn St. CHICAGO, ILL

#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. A L BROOKE, Pres.; E. ALBERTSON Vice-Pres.; GEORGE C SEAGER, Rochester, N. V. Sec'y.

#### Park Men Choose Officers.

The American Park and Outdoor Art Association, was the designation in Article I of the constitution adopted at the Minneapolis meeting last week. The following officers were elected: President, C. M. Loring, Minneapolis; secretary, Warren H. Manning, Boston; treasurer, E. B. Haskell, Boston; vice-presidents, P. H. A. Balsley, Detroit; W. H. Olmsted, Boston; G. H. Warder, Cincinnati; E. J. Parker, Quincy, Ill.; Lewis Johnson, New Orleans; M. L. Moore, Toledo.

#### President A. L. Brooke.

A. L. Brooke, the newly elected head of the American Association of Nurserymen, the American Association of Aurserymen, claims as the place of his nativity, Ohio, the mother of presidents. It was at Lancaster upon November 29, 1847, that Mr. Brooke made his entrance in the community in which he lived during the early years of his life. He was a farmer's early years of his life. He was a farmer's



A L BROOKE Pres, tent-elect Am. Association of Nurserymen

son but was accorded a collegiate course and studied classics at Wittenberg College at Springfield, Ohio, after which he was for ten or twelve years principal of schools in various cities through the state In September, 1886, Mr. Brooke removed to Topeka, Kas., and embarked in the nursery business, meeting with excellent success. His nurseries now embrace 250 acres. For several years he has been president of the Western Wholeside Nurserymen's Association and is Topelia's American Protective Association representative in the state legisla Mr Brooke has long been prominent in horticultural attairs both local and national having been an active member of the tariff and transportation committees of the American Surserymen prior to his election to the presidency of the association President Brooke is enthusiastic over the luture which he before the nursery business in the United States. He reports good spirits preve-

lent throughout the trade and is confideut that it will lead to good results. He anticipates that next year's conven-tion in Chicago will be the largest and most interesting in the history of his association.

#### San Jose Scale Legislation.

Bulletin No. 74 of the Virginia Experiment Station contains the Virginia law in regard to this pest. It is gratifying to note that one state has adopted common sense measures toward preventing the spread of this dreaded insect. The inspector is given power to decide whether infested plants shall be treated or destroyed, the owner having the right of appeal to the Board of Control of the State Agricultural Experiment Station, but the appeal must be taken in three days. The destruction of the trees or their treatment is to be done under the supervision of the state inspector but at the expense of the owner. Provision is, however, made that the boards of supervisors of any county may bear the expenses of such work within their county if they choose. It is made unlawful to offer for sale, sell, give away, or transport within the bounds of the state, plants, scions, trees, shrubs or vines infested with the San Jose scale and proper penalties are provided for offenders. This latter provision is the "meat in the cocoanut." It is certainly reasonable and right to require dealers to make our their stock is close and results. to make sure their stock is clean and to punish them for selling any which is not clean. No certificate subterfuge is provided.

HOLYOKE, Mass.-Therose show of the Horticultural Society was held on June 20 and 21 at the Unitarian church parlors. Owing to rain and cold weather the display was smaller than those of previous years and the quality of roses shown was not quite as good as hereto-fore. The attendance was disappoint-ingly light. Rev. E. A. Reed won the sil-ver cup for twenty-four blooms in twelve varieties. He having won the cup for three successive years, it now becomes his property. E. H. Howland's exhibit of toliage plants was excellent. E. D. Shaw and E. S. Waters were represented by fine collections of roses.

BALTIMORE, MD.—Louis A. Le Brun, aged seventy years, a widely known florist, died at his home in Canton suburb on June 13. He had been a resident of Canton for sixty-seven years, and 120 members of the family live in the vicinity. He is survived by a widow, three children and twenty grand children, several of whom are engaged in the florist business.

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THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING, The Reading Nursery, READING, MASS. **Е**ЯТАВІЛЯНІЕІ 1854

#### EVERGREENS, Etc.

20,000 American Arbor Vitas, 2 to 8 feet specimens

20,000 American Arbor Vitas, 2 to 8 feet specimens and hodging plants.
5,000 Pyramidal Arbor Vita, 2 to 4 feet.
20,000 Compacts, Globe and other dwarf Arbor Vitas, all sizes.
3,000 Nordman's Silver Fir, 1 to 2½ feet.
2,000 European Silver Fir, 2 to 4 feet.
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10,000 Norway Spruce, 3 to 8 feet.
10,000 Retinosporas, Squarrosa, Plumosa, Plumosa aurea and other sorts, 1 to 5 feet.
5,000 Irish Junipers, 1 to 2½ feet.
10,000 Pines, Austrian, Scotch, Excelsa, White and dwarf varieties, all sizes.
1,000 Euonymous Japonica, 18 to 36 inches.
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1,000 English Holly, 1 to 4 feet.
3,000 Mahonias aquifolia and Japonica.
3,000 English Ivy, strong plauts.
Prices low. Correspondence solicited.

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For Fall '98 and Spring '99 Delivery

A SPLENDID ASSORTMENT OF

### FIELD-GROWN HARDY ROSES

Clematis, Ornamental Shrubs and Trees, Pæonies, Herbaceous Plants, Small Fruits, Fruit Trees. Price list ready in July. Special quotations gladly submitted by letter.

### Jackson & Perkins Co. New York.

PRIMULA—Florist strain, trade pkt. 50c; double trade pkt. 81.00.
PANS1—Mitting's Glant Flowering, florist strain, trade pkt. 50c; double trade pkt. 50c; double trade pkt. 75c, or ½ oz \$1.00.
10z. \$4 00.
PANSY—German, trade pkt. 25c; double pkt. 40c, or ½ oz \$6c; 1 oz \$2 00.
CINERARIA Hybrida—Trade pkt. 50c; double trade pkt. \$1.00.
Above seeds have been tested and found 91 per ceot. new 1888 seeds.

V 1838 seeds. THE MORRIS FLORAL CO., Morris, III.

Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

#### SAMUEL C. MOON,

MORRISVILLE.

Bucks Co.; PA.

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New and rare hardy plants for forcing. Novelties to Ferns trained by the largest London grower. The newest and best varieties of roses, II. P. and Teascented. from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New England States.

F. Brunton & Co. IMPORTERS & EXPORTERS OF NEW AND RAKE PLANTS. 136 Boylston St., BOSTON, MASS.

# For Sale! 10,000 Scedling Ampelopsis

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Fine plants from seed bed, \$5.00 per 1000. Cash with order. Will exchange for small

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Lutherville Nurseries, - Lutherville, Md.

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DIRECTORY Of Florists, Nurmen of the United States and Canada. Price Two Dollars. In Flexible Lenther Binding, Three Dollars.....

AMERICAN FLORIST COMPANY 321 Dearborn St., CHICAGO, ILL.



A LIVE AND RELIABLE CORRESPONDENT WANTED in every live city in the world. We enable you to deliver flowers by telegraph. A profitable convenience. For particulars, write

> C. B. WHITNALL, MILWAUKEE, WIS. 438 Milwaukee St.,

#### Hybrid Wichuraiana Roses.

Your Boston correspondent mentioned the fact of Mr. W. A. Manda having exhibited before the Massachusetts Horticultural Society a hybrid Wichuraiana rose with evergreen foliage, but feeling that Mr. Manda might have very much more in his South Orange, N. J., nursery, 1 ran out there the other day.

To those who know the ability and enthusiasm of Mr. Manda, it will be no surprise to be told that he has gathered together one of the finest and most select collections of salable plants in this or any country. It would take a volume of the FLORIST to describe his treasures, in orchids, palms, ferns, greenhouse flowering plants, and hardy perennials and shrubs of the most desirable forms, many of them seldom seen elsewhere.

There are to be found here golden-flow cred, spotted callas; Adiantum capillus veneris imbricatum, known to some as the hardy Farleyense, in fine shape with its beautiful pinnæ, the very counterpart of the familiar tender variety; asparagus in many fine species; seedling anthuriums with pink and white spathes, and the familiar scarlets in many new shades; Abutilon Savitzii with Ioliage as clear and fine as the variegated box elder and standing exposure much better; Peperomia sarmentosa, promising to be a unique and beautiful basket plant, and thousands of other things which I cannot mention, because I want to talk about the roses.

As you know, Mr. Manda has been working with the popular very hardy trailing or climbing Wichuraiana as a seed parent since he started for himself at South Orange, and his set of hybrids sent out two years ago have had a deserved and wide popularity, but it is pre-emi-nently under the raiser's care that the merits of these beautiful creations can best be seen. He has tested them in every conceivable way, on dry hill sides, in the shade, their roots exposed to the winter, and Mr. Robert M. Gray forced a set of them at Julius Roehrs' and found them as free flowering as Crimson Rambler. With their fast multiplying colors and extreme floriferousness, their ease of propagation and consequent greater cheapness, it seems to me this class of roses are likely to run the azalea a hard race for the first place as florists' Easter flowers.

The new evergreen set are even more vigorous but will not probably be in the hands of the trade before next year. Many of you may, however, wish to know what they are like. They are Wichuraianas crossed with Perle des Jardins, Meteor, American Beauty and other forcing roses. To Manda's surprise, I daresay, they retained their foliage outdoors last winter. They are most luxuriant growers, evidently hardy, and worthy of the most extended trial wherever covering plants are desired. To my mind the most beautiful are two crosses of the Perle, Gardenæflora, with beautiful vellow buds, and expanded flowers like Gardenia Fortunei, and Jersey Beauty, a single white flower expanding to three inches across, with big clusters of golden vellow stamens studded over beautiful masses of rich and shining green foliage; it will take the place of the Cherokee rose northward. Evergreen Gem is another dense grower of this set, and besides these are several as yet unnamed such as a cross of Meteor with fine, full, double, light pink flowers. The Beauty crosses had scarcely arrived at a condition for me to talk about, but I would say to florists that they should watch these roses, for I

believe they will prove to be among the most useful acquisitions for a wide section of country that we have seen in recent years, and for the class of customers who desire roses for training on walls, or covering bare ground, they should prove of great value.

Trenton, N. J. James MacPherson.

#### Cincinnati.

STOCK IS VERY PLENTIFUL, WHILE QUALI-TIES AND DEMAND ARE ONLY FAIR .- A FISHING PARTY.—THE ANNUAL PICNIC.

The rush of commencements being over, florists anticipate a quiet time, and after this week summer dullness is generally looked for. Roses have been plentiful the past week, and met with fairly good demand. Carnations are too abundant and the same may be said of sweet peas.

On June 23 a party of five paid a visit to Wm. and C. C. Murphy, at Murphyville, a small German village about eight miles west of this city. It was, as Charles Jones called it, a fishing party, and their fish stories are numerous; nevertheless they report having a good time. Frank Ball caught the largest catfish, weighing nearly eight ounces, and Charles Jones nearly drowned and caught a heavy cold. The party arrived home safely late in the evening.

Considerable interest is being taken in the approaching picnic and outing of the Cincinnati Florists' Club. The sale of tickets has surpassed any previous year, and judging from present indications the fifth annual outing, which is set for July 21, at Coney Island, will be a rousing success. The committee in charge is C. J. Jones, A. C. Heckman, Wm. Murphy, F. W. Ball.

H. Schwarz. H. SCHWARZ.

# HARDY CUT FERNS

bouquet green. Moss (sphagnum and green). Laurel Roping, Xmas Trees; everything in the green line

H. E. HARTFORD'S, 18 Chapman Place. BOSTON.

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BRILLIANT GREEN AND BRONZE

### GALAX LEAVES.

For Decorating and all Florists' Designs CHAS. H. RICKSECKER. Linville. Mitchell Co., N. C.

# Boston Florist Letter Co.

FLORISTS' LETTERS. 1/2 IN. LETTERS

This wooden box nicely stained and var-nished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 % or 2-inch size, per 100, \$5.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas, and Manager, 84 Hawley St., BOSTON, MASS.

# SMALL GREEN GA

Stiff, wiry stems. Are all the rage.

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

# HARLAN P. KELSEY, 1150 Tremont Bldg., - BOSTON, MASS.

# August Rölker & Sons Gape Flowers, Cycas Leaves, SUPPLIES, Florist Baskets,

Send for trade list; also for prices on fall bulbs, azaleas, etc., imported to order. Address

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**NEW YORK.** 

# H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. De For the trade only.

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PHILADELPHIA, PA. 25 N. 4th Street, -

# Black Ants...

Easily and thoroughly exterminated by my non-paisonens and odorless powder. Results guaranteed, [4, & 1-16, pkgs., \$6 and \$9 per doz., 40 per cent disc. F. O. R. Boston.

GEO. H. RANDALL

American Florist.

WELLINGTON, MASS.

#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

EVERETT B. CLARK, Pres. Jos. A. Rol GIANO, 1st Vice-ries S. F. WILLARD, Wethersfield, Conn., Sec y and Treas.

VISITED CHICAGO: D. L. Sloan, of Palo Alto, Cal.; C. II. Haines, of Denver.

The Illinois Seed Company, 236 Johnson street, Chicago, experienced a \$15,000 fire on June 24, but were fully insured.

SHIREMANSTOWN, PA.—Spring trade has been excellent. John F. Rupp reports a very good sale for the Chinese primrose seed of which he makes a specialty.

THE Sioux Falls Seed Company has been incorporated in Minnesota by A. S. Sherwood, J. M. Sherwood and George Marker. The capital stock is \$100,000.

Осохомоwос, Wis.-Chas, Jackson, of the seed house of A. Jackson & Co., picked his first mess of home grown peas June 7. It was the Extra Early Alaska variety and the pods were well filled out.

#### Foreign Crop Conditions.

A leading English house reports, June 11, as follows:

In France beet and carrot are looking well, but the acreage is very much smaller than usual and is all contracted for Owing to the low prices and bad trade during the past two years, the specula-tive farmer has been driven out of the field. Cabbage also is looking well, but the same remark also applies to this, there being very little out. Radish and lettuce have been planted out under favorable conditions and we look forward to a good yield.

In England swede turnips that are standing look well, but, owing to the drought last autumn, several lots missed and acreage is therefore much smaller than usual. Owing to the present high price of wheat, there will be some difficulty in placing out many swede turnip contracts for next season except at much higher figures.

#### Indianapolis.

With June the last month of the florists' business season has passed. About the usual amount of cut flower trade was done this year, but as fir as the sales of bedding plants are concerned we have just ended one of the worst seasons we ever had.

Most of the florists are now busy plant ing new stock, none of them, however, are adding any glass this season. young rose stock seems to be entirely free from cel worm, much to the satisfaction of rose growers to whom a few years ago this pest caused a lot of frouble

Wm. Bertermann, who has been on the si k list for several weeks, has left for West Baden. We hope he will return much improved in health

Consent Breing, Ly J. R. McPherson has sold his interest in the establishment of McPherson & Log to Andrew Kastner and the firm name will now be First & Kastner.

In thorr, Mich. James Hogg, the well known gardener and florist, father of C F. Hogg, the Van Dike avenue flor st. died May 10. He was born in Scotland. December 29, 1821, but had lived many years in this city

# EW CROI



From careful inspection by our representative in the growing fields during the past season, we believe this "BERMUDA" stock to be the purest giant flowering strain of White Freesia in the world. 4 & & &

GIANT FLOWERED

Per 100 Per 1000 MAMMOTH SIZE. \$1.25 SELECT SIZE. 1.00

Samples free on application.

# VAUGHAN'S SEED STORE

HEADQUARTERS FOR "FANCY" BULB STOCK

CHICAGO: 84-86 RANDOLPH ST.

NEW YORK: 14 BARCLAY STREET.

# TO THE TRADE!

WHEN closing December last my arrangements with the Joseph Breck A Sons Corporation to expire on May 31st., 1898. I organized the Braslan Seed Growers Co. to act as selling agents for leading seed growers of the United States and Europe.

While by my agreement then made I do control all mail addressed to that firm at Chicago, whether in my name as manager, or to Joseph Breck & Sons Corporation, yet the Braslan Seed Growers Co. have neither purchased not taken on sale any surplus or carried-over seed stocks of the said corporation in storage, nor do we act for them in any way.

We turn over to that Corporation all such mail not of interest to us and frankly admit that our agreement applies to 1898 crops. As the Braslan Seed Growers Co. propose making their litst season's deliveries of new crop seeds should we receive, which we hardly anticipate, inquiries for seed crops of 1897, 1896 or other earlier years, we will freely pass the same to Jos Breck A Sons Corporation at Boston or their successors, as already arranged for.

The liberal patromage extended to me while interested in that corporation I gratefully acknowledge and appreciate.

I shall in the future manage the new company as selling agents for reliable seed growers of all lines of vegetable and flower seeds. Orders will be invoiced by and shipped to you direct from the producers. Your requirements when placed with as secures to you fresh new crop seeds at practically growers' contract prices.

My former customers, friends in the trade and others who may expect to require seeds of THIS SEASONS CROP on a basis of close contract prices are cordially invited to correspond with

Yours Truly. CHARLES P. BRASLAN, For Braslan Seed Growers Co.,

OFFICES: CHICACO: 18 N. Clark St. SAN FRANCISCO: 419-421 Sansome St. Mall or telegrams addressed to either office will receive prompt attention.

# CHINESE PRIMROSE

...SEED...

Greatly improved and well-known to be of the very finest grown. Packets put up specially for Florists, of best single and double varieties. 40 seeds, \$1.00. Plants rendy in August, at \$2.50 per 100.

Cineraria seed of large flowering dwarf varieties in choicest mixture, pkt., 25c. 6 pkts., \$1.00.

Primula obconica, pkt., 1000 seeds, 35c.

JOHN F. RUPP. Shiremanstown, Pa.

# COLD STORAGE VALLEY ALWAYS ON HAND.

CASLS of 2500 pips, extra quality, \$25.00; per 1000, \$12.00

€ \S1.5 of 300 1000 \$10.00 3000 paps, good quality, \$25,00, pe-

CLUCAS & BODDINGTON CO., 501 & 503 West 13th St., NEW YORK CITY.

# The Only Machine

on the market for automatically filling and scaling seed packets,

The Brown Bag-Filling Machine Co. FIICHBURG, MASS., U. S. A.

HOW TO GROW MUSHROOMS My 21 pp. book boses of intending boyers of spawn, to others New supplement on out door culture by JNO UNEAC Incurded. First importation of the new due at this port Aug. 25. Friess on applie atlon G. GARRISER Included. First importation of the new stown due at talk port Aug. 25. Friest on application C. C. Watson, Judgera Walnut Sts. Phila, Pa.

#### BURPEE'S **SEEDS** PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

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FLOWER SEEDS FOR FLORISTS
Catalogues on application.
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# AMERICAN FLORIST COMPANY

324 Dearborn Street,

CHICAGO, ILL., U. S. A.

#### From Radishes to Roses.

"I began as a market gardener," said a florist who makes a specialty of mignonette in a recent conversation with the Rural New Yorker. "Changed trade conditions caused radishes and beans. sweet corn and potatoes to be unprofitable crops and as an experiment I tried a house of violets. The first crop was not a financial success but 1 tried again and was more fortunate. Then 1 built two more small houses and have since naturally drifted into floriculture on a wider My product is sold through commission men just as my vegetables were. The New York cut flower trade is the most critical and exacting in the country, and to be quoted at top prices, any flowers, roses, carnations, violets, or whatever they may be-must be graded so as to be of even quality, carefully packed, and shipped early in the day. My flowers reach the commission man by 6:30 a. m. and are usually sold by 8.

"I soon found that the flower trade was far more exacting than trucking. I had to learn, when cold, foggy weather set in, that I could not make up for the lack of sun by extra heat; I triedit and got a bad case of red spider for my pains. Violets are always favorite flowers but they are grown in such quantities that one must raise a superior article to insure any return. The single violets are first in the market in the fall and the varieties 1 grow are Luxonne and California, with Lady Hume Campbell for double. The Marie Hume Campbell for double. The Marie Louise is a good double but the Campbell does not seem so subject to disease.

"I took up mignonette and carnations because I thought that I could grow them cheaper than I could roses but I soon found that successful carnation culture demands first-class houses especially suited to their needs. Mignonettethrived in a cheaper house and I grew smilax quite successfully. Mignonette requires a good strain of seed and the lateral shoots must all be pinched off, throwing all the strength into one main spike. Most growers say that there is no money in mignonette, and certainly there is not if carelessly grown, but I am not willing to give it up. Similarly, it is considered that smilax does not pay as it once did, because it has been supplanted by climbing asparagus, but it still pays me.

"The florist's trade is now so specialized that a man can not spread over a wide range of ground. The plant trade and cut flower trade are entirely separate branches. There is quite a difference, too, between growing plants for a local retail trade and for the wholesale market. Each demands a different class of material.

"If a man were to begin a retail business in a small town he would best start with bedding plants from seed in February, March and April. Pausies could be sown in August and again in February. They always sell well. He could keep violets. sweet alyssum, forget-me-nots and similar flowers in frames. As soon as he could build a small greenhouse, heated by hot water, he could grow carnations, allys sum, forget-me-nots, smilax and sfevia, and in a Separate compartment, he could propagate geraniums, ageratum, colcus, beliotrope etc., moving the overflow into hotbeds as soon as permitted by the weather

"He would better not try roses until he could give them a separate compartment with abundant light, and heat, although he might do well with some of the lesexacting ones, as Bon Silene, Safrano and Supheros. The best of the flowers which can be grown outside for cutting A

are pæonies, irises, lilies, gladioli, coreopsis, cornflowers, phlox and other hardy herbaceous plants.

"There is practically no school in which the trade may be learned although the Missouri Botanie Garden maintains a course in gardening and floriculture. The best plan for a beginner is to secure a position in a florist's place. He will have plenty of hard work and is very likely to get discouraged, but the knowledge he gains will be practical.'

#### Cleveland.

BUSINESS NOW ON A SUMMER BASIS.-END OF A SATISFACTORY SEASON.-LITTLE BUILDING IN SIGHT.

Business has, after the usual few final spasms, at last reached the bed rock of summer inactivity. Nothing more is to be looked for until fall unless it be the occasional funeral order that comes to help use up the summer surplus. The last two weeks have been fairly good with most florists, there having been numerous social events, weddings and other affairs, and some of them have been quite elaborate. The past season has been fairly good according to general reports and florists are well satisfied. The prospect for additional building is at present not very bright, most florists feeling the wishing the property bright. dom of going slow in this matter when the supply is already ample for the demand. Glass, one of the principalitems of expense, is held at such a high price as to be a deterrent to all who are not in urgent need of room, so that altogether probably not much will be done here outside of necessary repair work. A.



Kentia Belmoreana and Forsteriana will arrive in a few weeks.

J. L. SCHILLER 404 EAST 34th STREET.

# X PANSY

The finest of all the Glant flowering varieties to be had. No better grown; carefully selected; very large flowers, of perfect form and choice colors. All my florist customers praise this strain very highly; requires no better evidence of superiority. Every flories should be sure to sow of it this senson. For trade pkt. of 283 seeds. 81 lbl; half pkt. 56c. A pkt. New Forset-Me-Not, "Jewel," with overy order.

JOHN F. RUPP, Shiremanetown, Pa.

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IT HAS NO RIVAL.

# Good Stock! Low Prices!

CANNAS Strong plants of Alphouse Bou-dale, Paul Marquant, Wm. Elliott Bisson, Soc. Stewarts, Flamboyant, \$4.00 per 100;

COLEUS Crimson Verschaffeltii, Golden Queen and Golden Bedder, \$2.00 per 100; \$18.00 per 1000.

Geraniums Double Gen. Grant and S. A. Nutt. 2½-inch pots. \$3.00 per 100; \$28.00 per 1000; extra good, 4-inch pots. \$7.00 per 100; \$65.00 per 1000. Cobæs Scandens, 4-inch pots......\$6.00 per 100.

JOHN SCOTT.

KEAP STREET GREENHOUSES, BROOKLYN, N. Y.



Cattleya Warnerii, Ladia Perrinii, Laphronites Grandiflora and Coccinea, Miltonia Spectabilis and many more.

LAGER & HURRELL, - Summit. N. J.

# Asparagus Sprengerii SEEDLINGS ALL SOLD. Fine Plants, \$8.00 per 100. Sample by mail 10 cents. American Rose Co., Washington D. C.

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# E. G. HILL & CO.,

RICHMOND. INDIANA.

Cycas Revoluta Stems

Popular sizes, 3 to 6 lbs each...... 10 ets. per lb.



# FORCING BULBS

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On all orders up to August 1st. Send for New Price List. Address

H. H. BERGER & CO., 220 BROADWAY, - NEW YORK, (ESTABLISHED 1878)

# **Rose Hill Nurseries**

LARGEST Grawers of Paims, Orchids Stove and Greenhouse plants, Ferns, Araucarias, Pandanus.....

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

# Asparagus P. Nanus (true)

10,000 Plants. Per hindred. \$2.50, or \$20.00 per thousand. Cash with order from parties unknown to me.

LOUIS ULLRICH, Tiffin, Ohio.

Wholesale Grower of Cut. Flowers,

#### Milwaukee.

THE FAMOUS FLOWER PARADE PROVES TO BE ARTIFICIAL, -FLORISTS ARE DISAP-POINTED.—REVIEW OF THE SPRING PLANT TRADE.-CONTRACT FOR A PARK CON-SERVATORY.—NOTES AND COMMENTS.

A very great deal has been said and written in advance about the flower parade which was the feature of the carnival held here this week, but the affair proved very disappointing to florists as the display of blooms, while large, was purely of the artificial variety. Local trade was not increased by the carnival for whatever extra demand was created by the festivities was supplied by the fakirs who came up from Chicago. The fakirs who came up from Chicago. show induced thousands of people to visit Milwaukee this week but it was run largely in the interest of hotels and saloons and it is safe to say that not \$100 worth of natural flowers more than the normal consumption have been sold. J. E. Hughes, of Mt. Clemons, Mich., B. F. Gregory, of Ludington, Mich., and numerous other florists came to town Wednesday to see the flower parade and viewed with amusement the display of colored tissue paper. The pageant was devised by a woman who makes it her business to interest society ladies and sell them paper flowers at \$10 a thousand, making the decorations for each turnout cost from \$20 to \$75.

All sorts of stories are told about the spring plant trade. Some dealers are sold out, others experienced fair business, while some did virtually nothing, but the season averaged pretty well. Some good geraniums are offered at 5 cents each but a few weeks ago one firm had difficulty in filling an order for 300 plants at seven cents. Flowers were very scarce last week but are very plentiful now. The brighter garden flowers, where well handled, take the shine off the indoor stock. Longiflorum lilies are still in the market.

The park commissioners have let the contract for a conservatory in Mitchell Park to cost \$24,473.

The Holton & Hunkel Company and

John Arnold have each put a very attractive delivery wagon on the streets.

Ellis & Pollworth had a very elaborate decoration of plants in their store win-

dow during the carnival.

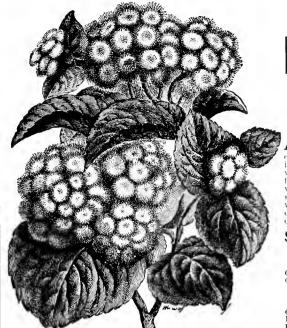
Mrs. B. F. Gregory, who has been quite ill for two weeks, is much improved.

#### Macomb, Ill.

About August 1 E. H. Smith willengage in rose and carnation culture here in one of the finest small establishments possible to build. The houses will be 20x100, even span, and will cost about \$2,000. They are being built with 9-inch brick walls on split rock foundations, will be heated by steam, and will have cement walks. In addition to the greenhouses there will be a workroom 10x20, an office of the same size and a brick dwel-There is room for an addition which Mr. Smith expects to require in the spring.

Bangor, Me.—Carl Beers, of Beers' Floral Conservatory, and Mrs. Beers sailed from Boston June 29 upon the Catalonia for a three months' tour of Europe. They will visit England, France, Italy, Austria, Germany, Holland and Belgium.

Sandusky, O.-A. C. Lermann has succeeded C. R. Melville as secretary of the board of park commissioners.



**NEW AGERATUM** 

# Princess Pauline!

A MOST distinct and novel variety of dwarf compact habit, rarely exceeding five inches in height, its peculiarity being that both colors, blue and white, are combined in the same flower; the body of the flower being white, while the stamens are of a light sky blue, giving the flower a pretty, variegated appearance; one of the most distinct new bedding plants that has come under our observation this season

\$1.25 per doz.; \$10 per 100.

For a full line of SEASONABLE DEC-ORALIVE and BEDDING PLANTS see our current Wholesale Catalogue.

If you want the very finest strains of CINERARIAS. CYCLAMEN. PANSY. PRIMULA. Etc. getour stock. New crops ready end of June.

#### HENRY A. DREER, 714 CHESTNUT STREET,. PHILADELPHIA, PA.

When writing mention the American Florist.

# ASPARAG

50,000 plants in 2½-inch pots, \$5.00 per 100, X press; 24 for \$1.50 by mail.... Specimens for 8-inch pots, \$6 per 12.

PRENGERI A. BLANC & CO. PHILADELPHIA. 

....THE.... FLORISTS' TULIP

"Par Excellence"

White, shaded with beautiful rose pink. Best selling Tulip in the market last season. Bulbs ready in September. & Write for prices.

INTRODUCED BY

# Vaughan's Seed Store

HEADQUARTERS FOR "FANCY" BULB STOCK.

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay Street.

#### Fancy Leaved UALAU

AT 1-2 VALUE.

Only a limited amount of very fine 2½-inch pot plants in good assortment at from \$6.00 per 100 to \$20.00 per 100. Order at once. Address

F. J. ULBRICHT, Lock Box 655.
ANNISTON, ALA.

Say: "Saw it in the FLORIST."

# COCOS WEDDELIANA.

Each 1 plant 4-in. pot 15-18 inches high, 4 kg 1 plant 5-in. pot 24 inches high, 75c

JOSEPH HEACOCK, WYNCOTE.

Philadelphia, Pa.

HYACINTHS, TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO., Hillegom, Holland.

American Representative

L. C. BOBBINK, Rutherford, N. J. ASK FOR CATALOGUE.

Mention American Florist.

# For FLORISTS... For SEEDSMEN.

### VAN ZANTEN BROTHERS.

HILLEGOM,

HOLLAND.

Azaleas

THE FINEST STOCK IN THE WORLD

Palms SANDER, **Bay Trees** 

BRUGES, BELGIUM.

AGENT:

Araucarias 60 Vesey St., NEW YORK.

SMILAX, from 2-inch pots \$1,50 per 100; \$13,00 per 1000, HYDRANGEA ottaksa, from 3-inch pots \$5,00 per 1000, GERANIUMS, from 2-in. pots \$2,50 per 1000; \$50 per 1000, "..." 4-in. pots, \$1,00 per 100; \$50 per 1000, Cash with the order Serd for samples, FRED. BOERNER, Capa May City, N. J.

#### The Society of American Florists. DEPARTMENT OF PURCHASE.

At the Executive Committee meeting of the Society of American Florists and Ornamental Horticulturists recently held at Washington, D. C., a department called the department of purchase was created, to enable its members to avail themselves of the advantages which co-operative purchases always give. It is not intended that the society will make any purchases, directly or indirectly, or be in any way responsible for the payment for any goods or materials furnished members of the society upon any bids made for the materials required and the successful bidders must make their settlements with the individuals, firms and corporations. The names of the individuals, firms and corporations, the place of delivery and quantities of each material required for the present season have been collated and complete lists of same will be furnished to all who desire to estimate thereon upon application to the secretary. The material required includes coal, bituminous and anthracite, in several sizes; glass in various sizes and qualities; iron pipe and valves, wire nails, sashbars, flower pots, paint, oil, mastica, putty, rubber hose, bone meal, tobacco dust and stems, and a variety of other materials required in the construction and maintenance of greenhouses.

Proposals to furnish all or any part of the materials herein listed will be received until 12 o'clock, noon, July 12, 1898. The right is reserved to reject any and all

bids. EDMUND M. WOOD, W. K. HARRIS, W. W. COLES, Committee.

Address all communications to W. J. Stewart, Secretary, 67 Bromfield street, Boston.

Springfield, Mass.-William Basson, who was employed by Wass & Brown, has been recalled to the United States navy, he having been absent from the cruiser Brooklyn on indefinite shore leave.

# South Park Floral Co.

NEW CASTLE, IND.

We have exemples Brides, ex (1) 3-theh puts of Maide and

Maids and www Meteors

Any grower wanting some

#### Extra Choice Stock

Can get a bargain, if taken at once. . .

#### ROSES! ROSES!

Brides, Perle-Wootton, Maids, Kaiserin and Meteor 

ROBERT F. TESSON, West Forest Park. -St. Louis, Mo.

ROSES BEAUTIES,

a neli 👫 👵 100

MAIDS, BRIDES, PERLES AND METEORS & & & 4 1 0 \$ 00 per 100

POEHL MANN BROS. Morton Grove, Cook Co., III.

#### YOUNG

# ROSES

**PLANTS** 

| From 21 <sub>2</sub> -inch Pots, I | er 100 | Per 1000 |
|------------------------------------|--------|----------|
| AMERICAN BEAUTIES                  | \$4.00 | \$35.00  |
| BRIDES                             | 2.50   | 20.00    |
| METEOR                             | 2.50   | 20.00    |

TERMS CASH WITH ORDER.

#### J. A. BUDLONG, 37=39 Randolph Street, CHICAGO CHICAGO. ILL.

# ROSE PLANTS

#### AS GOOD AS CAN BE GROWN

We have the following Rose Plants, the same stock as we have planted in our own houses, still on hand and for sale. We guarantee them to be first-class in every respect.....

| 7000 | Am. Beauties | 521 <sub>2</sub> - | in. pc | ts | \$5.00 |
|------|--------------|--------------------|--------|----|--------|
| 600  | Kaiserin     | 3                  | 4.4    |    | 5.00   |
| 600  | **           | 212                |        |    | 3.00   |
| 4000 | Bridesmaids. | 212                | 4.4    |    | 2.50   |

FIRST COME-FIRST SERVED.

# & WASHBURN, Hinsdale, III.

THREE INCH.

SUNSET BRIDESMAID METEOR \$6 00 per 100.

VIOLETS Marie Louise and California, \$3.00 per 100; \$25.00 per 1000. Chrysanthemums Finest sorts, \$3 per 1000, \$25,00 per 1000.

SMILAX \$2.00 per \$100.

Umbrella Plants \$3.00 per 100; \$25.00

DAHLIAS Pot-grown, \$3.00 per 100, \$25.00 per 1000. Libonia Penrhosiensis \$1.00 per 100.

I or other stuff see our Spring List,

W. L. SMITH,

AURORA, ILLINOIS. 

# FINE ROSE STOCK....

Some extra fine 3-inch Perles, and some good Meteors, Maids, Brides and Beauties, 21/2 and 3-inch. Order sample lot of 25 or more.

W. H. GULLETT & SONS, Lincoln, III.

### AMERICAN BEAUTY

Fine youte, plants, healthy and strong  $-2k_2$ -inch pats,  $\frac{3}{2}$ 8,00 per 100  $-\frac{3}{2}$ 70 00 per 1000

EDWIN LONSDALIC, Wyndmoor, Chestnut Hill, with order PHILADELPHIA, PA. Money Order Office, Station H. Philla Cash with order

# ROSES..

2-in. per 100 3-in. per 100 \$... \$5.00 Am. Beauties . . . \$2.75 Perle . . . . . . \$2.75 Bridesmaid . . . 2.75 4.50 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

# Memorial Kose

(Rosa Wichuraiana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON. MORRISVILLE, Bucks Co., PA.

#### YOUNG ROSES

OF the 20,000 Young Roses advertised last week we have only 8625 left. They are 8RIDES, MAIDS and METEORS, from 20,5 inch pots, in fine order. You can have them for \$3 per 100; \$25 per 1000 Will take 1,200 Perles in exchange. Also for sale- No. 16 second-hand Hitching Boiler......

THE FLORAL EXCHANGE, 614 Chestnut St., PHILADELPHIA.

# FINE ROSE STOCK

FOR PLANTING, Out of 3-inch pots. METEORS, VICTORIA KAISERIN, MAIDS, BRIDES, BELLE SIEBRECHT, PERLES AND BEAUTIES. Write for prices. Send 50c, or \$1.00 for sample lot of what you want to

GEO. A. KUHL, PEKIN, ILL.

H. WEBER & SONS, Oakland, Md.

You can do more than Pay Your Rent by Advertising your Surplus Stock in The American Florist.

# American Beauty, Carnot, and Testout from 4-inch pots, in extra fine shape of \$15.00 per 100. Bridesmaid, extra fine, 3-inch pots of \$15 per 100; \$125.00 per 1000. Also the following varieties, not grafted, per 100; \$10.00 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 100; \$125.00 per 1000. Also the following varieties, not grafted, but strong vigorous stock, American Beauty, 3-inch of \$10.00 per 100; \$10.00 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Also the following varieties, not grafted, but strong vigorous stock, Bridesmaid, President Carnot, Kaiserin, Meteor, La France, Perle, Mrs. P. Norgan, Wootton: These are extra large plants in perfect condition from 3-inch pots of \$85.00 per 100. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, 3-inch pots of \$15 per 1000. Bridesmaid, extra fine, \$15 per 1000. Bridesmaid, extra fine, \$15 per 1000. Bridesmaid, extra fine, \$15 per 1000. B <u> Հարուսանուն արտանան արտանան անձան արտանան արտանան արտանան արտանան արտանան անձան արտանան անձան բանանան անձան բ</u>



HEALTHY STOCK &

| 21.0-ID, De                       | r 160 - 31 <sub>2</sub> -in, per 100 |
|-----------------------------------|--------------------------------------|
| American Beauty                   | \$6.00\$12.00                        |
| Sony, de Wootton                  | 5 00 10.00                           |
| Papa Gontier                      |                                      |
| Pres. Carnot                      | 4,00, 10,00                          |
| La France                         |                                      |
| Mlle, Helena Cambier              |                                      |
| Kaiserin A. Victoria              |                                      |
| Perle des Jardins                 |                                      |
| Brides                            |                                      |
| Bridesmaids                       |                                      |
| Meteors                           |                                      |
| Clothilde Soupert                 |                                      |
| Mosella                           |                                      |
| SEND FOR SA                       |                                      |
| Asparagus Sprengeri, 2-in pots    |                                      |
| Asparagus Plumosus, 2%-in. po     | ots, fine stock ' 7.00               |
| Boston Fern 24-19                 |                                      |
| Nephrolepis Exaltata 4-in         |                                      |
| Ferns in assortment, 256-in       |                                      |
| Arancarla Excelsa, 6-in. pots. 1: |                                      |
| Cocos Weddellanu, 3-in pots       |                                      |
| Kentlas, Arecas Latarias, etc     | lerge quentities in all              |
| sizes. Write for Special Pric     |                                      |
| Discour. I in the second is the   |                                      |

#### VAUGHAN'S SEED STORE,

CHICACO: Western Springs, III. 84-86 Randolph St.

GOOD THRIFTY .....STOCK

|     | lowing bargain offer for SPOT CASH ONLY |
|-----|-----------------------------------------|
| 100 | Beauties, 2-in. 60                      |
|     | Beauties, $2^{1}e^{-in}$ , $\omega$     |
|     | Brides, 4-in. @                         |
|     | Brides, 3-in. @                         |
|     | Brides, 2-in. @                         |
|     | Bridesmaids, 21g-in, @                  |
|     | Carnots, 2½-in. @                       |
| 175 | Climbing Woottons, 212-in, @            |
|     |                                         |

To close this stock out quick I make the fol-

This stock is in first-class, clean condition. W. COLES Maple Hill Rose

KOKOMO, IND.

# Forcing Roses

| _                                      |                      |
|----------------------------------------|----------------------|
| Per 100 25 <sub>6</sub> -in.           | 31 <sub>6</sub> -In. |
| BRIDE                                  | 24 00                |
| BBIDE 3MAID 2 50                       | 4 (0)                |
| METEOR 2.50                            | 4 00                 |
| White, Pink and Yellow Ramblers, same. | Moonvines            |
| \$20.00; Alternantheras \$18.00 per 10 | 000.                 |

#### THE NATIONAL PLANT CO.. Dayton, Ohio.

When corresponding with any advertiser on this page, please mention the fact that you saw the ad. in the AMERI-CAN FLORIST.

# Rose Plants

| Per 100                 | Per 1000       |
|-------------------------|----------------|
| AMERICAN BEAUTIES\$5.00 | <b>\$45.00</b> |
| METEORS 3.00            | 25,00          |
| MA1DS 3.00              | 25.00          |
| PEDIES 300              | 25.00          |

WIETOR BROS. ROGERS PARK FLORAL CO.

Wholesale Growers of ....

**CUT FLOWERS** ROSE PLANTS....



51 Wabash Ave.

CHICAGO

American Beauties, Bride, Bridesmaid, Bon Silene, Caroline Testout, Kaiserin Augusta Victoria, La France, Meteor, Morgan, Perle, Souvenir de Wootton, etc., etc.

Also Clothilde Soupert, Mossella and Clara Watson, suitable for immediate planting for summer blooming in extra fine stock from 3 and 4-inch pots.

JOHN N. MAY, = Summit, New Jersey.

#### CHRYSANTHEMUM 🥦 🚜 🚜 MRS. A. F. WIENOLD.

rites. Extra strong plants, \$1.00 for 12; \$6.00 for 100. 21/2-inch pots.

ROSES Ready to shift. Notold, hard wooded stuff, but young healthy plants. Brides, Bridesmaids, Perle, Sunset and Niphetos. 212-inch pots at \$2.50 per 100.

McDONALD & STEELE, Crawfordsville, Ind.

# 40,000 FIRST QUALITY FORCING ROSES, MMEDIATE PLANTING.

WOOTTON METEOR PERLE BRIDESMAID | Collaboration | Collaboratio

J. L. DILLON, Bloomsburg, Pa.

#### Pittsburg.

THE BUSINESS SITUATION.—FLORISTS' CLUB MATTERS .- FLOWERS AT A PICNIC .-JOSEPH SPRING LEAVES SCHENLEY PARK TO EMBARK IN BUSINESS.

Trade in general has been very dull indeed during the past week, notwithstanding that several of the florists have done a reasonably fair business in commencement orders and June weddings. Funeral work has been fairly plentiful, but with those of society who have commenced their summer outing and those who will go in a very short time, the florists have plenty of time at their disposal.

The Florists' Club was to have held the regular monthly meeting on June 20, but failed of having a quorum present; it looks as if the meeting night will have to be changed, for since Monday was adopted the attendance has dropped off very greatly, many members saying it does not suit their work to be away from home on that night. Something will have to be done to stimulate interest.

E. C. Ludwig, of Allegheny Market, whose son has been attending the Mount Troy school, presented each one of the scholars and teachers on the picnic at the close of the school term, with boutonnieres and bouquets of flowers, in all about 1000 pieces. John Bader is one of the directors of the school.

Joseph Spring who has been connected with the Phipps conservatories at Schenley park ever since they have been in operation, most of the time as foreman, but as superintendent during the interval from A. W. Bennett's death until Win. Falconer took charge, has resigned his position and will go east, going into business for himself. Mr. Spring, who, by his quiet, courteous manners and thorough knowledge of floriculture, secured the friendship and admiration of so many of the frequenters of the conservatories, leaves our city with the best wishes of everyone for his success in his new venture. Mr. Falconer has not yet appointed any one to fill his place.

#### Worcester, Mass.

HORTICULTURAL SOCIETY'S ANNUAL ROSE SHOW.—PRIZE WINNERS.—FAIR SEASON'S BUSINESS, -STOCK OF GOOD QUALITY. -THE PRONT SHOW A SUCCESS. OTHER MATTERS.

The annual rose and strawberry show of the Worcester County Horticultural Society, June 23, was one of the best displays of H. P. roses and extra fine strawberries ever shown in this vicinity, and yet, had the show been one week later, we could have shown even better roses, and the fruit growers say it was a bit early for them to do their best. Competition was keen, and the entries many in all the classes. For the twelve best blooms of H. P. roses, one in a vasc, Ldward Hall was first, H. F. A. Lange, second, and T. H. Merriheld, third. For the six best H. I. A. Lange was first, Lilward Hall, second, and Mrs. E. C. Brooks, third. For the thirty best H. F. A. Lange was first, Edward Hall, second, and Mrs. J. C. Brooks, third. Some very tasty baskets of roses were shown. nothis class II 1 A Lange was awarded hrst, W. A. Fobes, second, and Mrs. Thos. ward, third. The vases of roses of one shade of color were also attractive and contained some exceptionally well done blooms. H.E. V. Lange won first, Ld-Ward Hall, second, and Mrs. A. L. Underwood, third. In addition to the roses there was an exceedingly good showing of pæonies, and H. A. Jones, S. H. Record and F. A. Blake were awarded premiums in the order named.

Weddings, graduations and other local events have kept trade fairly active and I think this season's business will compare very favorably with last year's. Good wedding decorations are not as numerous as we would like to see but we have had a few that were all right from our point of view, and we expect a few more.

The quality of the flowers coming in still keeps up remarkably well carnations especially being better than I have ever before seen them at this season. Roses are plentiful, grown both inside and outside, and are selling well. Lange is cutting some fine Spanish iris and they are very popular, but he calls them Japanese as he has no use for Spaniards of any kind. Red, white and blue decorations have had quite a run, and blue flowers have been hard to get, but now we have iris and Centaurea evanus in quantity.

The weekly exhibitions of the Horticult ural Society maintain their uniform excellence and some good displays are made. June 16 was the date of the popular annual paonia show and some splendid arrangements of cut flowers and fine specimen hydrangeas were exhibited. So far we have experienced good growing weather and outside crops are in splendid condition. Carnations have made an excellent start and bid fair to be extra fine by next September. The plantings of chrysanthemums in this vicinity will about equal last year, notwithstanding the many threats heard last fall about not planting "another blessed mum." A. H. L. blessed 'mum."

La Crosse, Wis-Mrs. M. Guillaume has reopened her downtown store, in the remodeled Stirneman building.

HILLSBORO, ORE.—One of the best rose shows ever held in this county attracted a large attendance here June 11.

Nebraska City, Neb.—Walker Fass, who has conducted a greenhouse for a number of years, has sold out to C. B. Brown, who will dispose of the stock at his dry goods store.

### PRIMULA OBCONICA ROSEA

The finest novelty of the year. Extra large flowers of a rich clear rose color; very showy, attracting instant attention. A grand improvement on the old Obeoniea in size and beauty. For trade pkt. of 1200 seeds, \$1.00, half pkt., 50c.

JOHN F. RUPP, Shiremanstown, Pa.

ROSES

350 Brides and

Bridesmaids, 3 inch, strong, \$6 per 100.

SMILAX

500 strong 2

inch, \$200 per 100,

W. H. JONES, Grand Island, Neb.

♥ARNATIONS。≉。≉。≉

F. DORNER & SONS CO. La Fayette, Ind.

FIELD CARNATIONS.

All the best varieties ready in September. GEO. HANCOCK & SON, Grand Haven, Mich.

SMILAX 30 years, strong, \$2.50 per 100 BOUVARDIA, 3-10 strong..... SWAINSONA, strong..... 3.-

McCREA & COLE, - Battle Creek, Mich.

#### FINE PLANTS

# VERBENAS

IN BUD AND BLOOM.

Many Fine Varieties added to Our Collection

Best Mammoth.....per 100, \$3.00; per 0, \$25.00; Ceneral Collection. " 2.50; " 20.00

#### ROSES.

American Beauty, 3-Inch pots ......per 100, \$10.00 Bridesmaid, Brides Perle, Meteor. Bon Silene. Watteville, La France, Sunset, Mermet. Price from 24-Inch pots, \$5.00 per 100; \$40.00 per 1000. Ever-blooming and Polyantha, in bud and bloom. from 34c, 4 and 5-Inch pots, \$10.00, \$15.00 and \$20.00 per 100.

#### CHRYSANTHEMUMS.

50 fine varieties from 2½-inch pots, \$3.00 and \$4.00 per 100. Send for list of varieties.

#### MISCELLANEOUS PLANTS.

| Ready for immediate sales.                       | 100.    |
|--------------------------------------------------|---------|
| Anthemia Coronaria, from 2½-Inch pots            | \$3 00+ |
|                                                  | 5 00    |
| Alternanthera, all leading varieties             |         |
| Ageratum, plue and white.                        |         |
| Ageratum, olde und white.                        | 0.00    |
| Carnations, from 4-inch pots, fine stock         |         |
| Coleus, leading sorts. 21 (-Inch pots            |         |
| " " " " ·······                                  |         |
| Ceraniums, double and single, 4-inch pots        | 8.00    |
|                                                  | 5.09    |
|                                                  | 4.00    |
|                                                  | . s.00  |
| Heliotrope, from 3-Inch pots                     | 5.00    |
| Hellotrope, from Strick poss                     | . 0.00  |
| 214                                              | . 5.00  |
| Hydrangea Otakse, 5 In., bushy                   | 25.00   |
| Fuchaias, double and single, 34-inch pots        | 8 00    |
|                                                  | 4.00    |
| Moonflower, 24-inch pots                         |         |
| 4                                                | 10.00   |
| Pelargoniums, 216-Inch pots                      | E 00    |
| Salvia Splendens and Bedman, 214-In. pot         |         |
| Jaivia Spienuens and Beuman, 274-in. put         | 40 OU   |
| Vinca Varlegata and Elegans, 4-Inch pots         | 10.00   |
| Violets, Marie Louise, 214-Inch pots, \$5.0      | )0      |
| per 1000; \$3 00 per 100.                        |         |
| Pansies in bud and bloom, \$2.00 per 100; \$15.0 | .0      |
| per 1000.                                        |         |
| All the above is from stock in condition for i   | mme-    |

#### dlate sales. CADNATIONS FROM WELL

| ESTABLISHED UARNAIIUNO         | SOIL. |
|--------------------------------|-------|
| 100.<br>C. A. Dana\$5 00       | 1000. |
| Mrs. McBurney 5.00             | ***   |
| Harrieon's White               |       |
| Lizzie McCowen                 | 15.60 |
| New Trade List on application. |       |

### WOOD BROS., Fishkill, N. Y.

When writing mention American Florist,

#### GERANIUMS. NAMED. trong, in bloom, \$4.00 per 100,

# Ghrusanthemums. NAMED.

# KENTIA BELMOREANA.

# KENTIA FORSTERIANA.

1 to 6 leaves 21 to 30 inches high, \$12.00 to \$18.00 per dozen.

THE COTTAGE GARDENS, Queens, L. I.

# White Plume, Golden Self Blanching and Glant Pascal.

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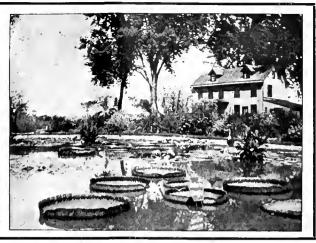
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What promises to attract attention in the near future is a new heliotrope, named after a Madame Brewer. It is a fine variety, looks promising, and from all appearances has come to stay. Novelties, however, by no means exhaust the stock of the Breitenbaugh brothers. As growers of roses, carnations and bulbous stock they are very successful, while their palms and decorative plants, of which they carry a large line, are not to be found fault with. Decorative work is one of their specialties. A house expressly adapted for smilax, will soon be in course Номо. of erection.

Moscow, Idaho.—Rapid progress is being made in constructing the new conservatory at the state university. The building proper is 18x50, with stone foundation, brick and glass side walls, iron rafters, wrought iron gutters, cement floor, steam heat and all the other modern devices for successful floriculture.

AURORA, ILL. - Roscoe Saunders has leased his very fine establishment to F. Smely, of Gibson City, Ill., and will take a well earned vacation from busines. Mr. and Mrs. Saunders Jeave shortly to spend the summer in Maine.

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VALUE OF THE EOO IN SICKNESS.

The value of egg albumen as lood in certain diseased conditions is pointed out by Dr. C. E. Boyston. When fever is present and appeture is not, he says, when we want an aspite article of diet; the white of an egg, raw, serves both as lood and medicine. The way to give it is to diam off the admitter at the small end of the egg, the yolk remaining inside the shell, and a little salt to this and direct the patient to swallow it. Repeat every hour two. In typhoid fever this mode of feeding materially helps us in carrying out an antiseptic plan tain extent may antifort bet boxines of the discase. Patients may at first rebel at the idea of eating a "raw" egg, but the mickness with shich it goes down without the volk proves it to be less disagreeable than they supposed and?"

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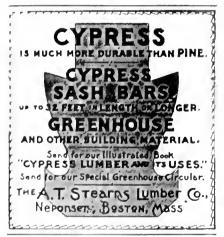
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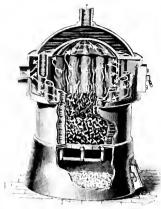
SUMMER SHOW OF THE HORTICULTURAL SOCIETY .- NOTES OF THE EXHIBITS .- A CHRYSANTHEMUM EXHIBIT PLANNED FOR NOVEMBER.

The grand annual summer exhibition of the Connecticut Horticultural Society, June 20 and 21, was very success tul, both in point of attendance and in number and quality of exhibits. W. B. May, gardener for J. J. Goodwin, made a splendid exhibition of strawberries, noteworthy in this class being his British Queen, a late variety new to this country. He also showed some very hand-some unnamed sweet peas from seed raised by the California Sweet Pea Company. Robert Patchet, gardener for the Rev. Francis Goodwin, also exhibited a large variety of strawberries, lettuce, sweet peas and cucumbers. Colonel Clayton H. Case made an exhibit of ten varieties of roses. He has upwards of sixty varieties on his grounds in West Hartford. Miss Florence Browne made an admirashis Floride flowing made an admina-ble display of roses. One of her choicest specimens was a Paul Neyron. Mrs. James R. R. Moore made an exhibit of roses and the daughter of Mrs. Moore, Miss Grace Moore, showed a choice collection of wild flowers. Stephen Delbar, gardener for ex-Governor Morgan G. Bulkeley, showed a collection of roses that was viewed with much interest. Mrs. W. S. Seliger made a very fine exhibit of hardy plants. The features of the display were Loniceras Sinensis and variegated Halleana. W. E. Wallace showed fifty varieties of roses and had the largest and most varied collection in the hall. He had magnificent Ulrich Brunners and his Mrs. John Laing were exceptionally well grown. He also exhibited Margaret Dickson, white with pale flesh center and the Paul Neyron, one of the largest vari-cties of rose in cultivation. There were dozens of other good exhibits. A chrysanthemum was presented to each child under 16 years of age, and each one was instructed how to cultivate the plant. The society will award gold, silver and bronze medals to the children exhibiting the best results at the November show.

WARREN, O .- Alvertus Martin has purchased the O. H. Nye place and will conduct it as a florist establishment here-







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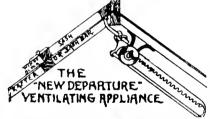
#### Springfield, Mass.

The annual rose show of the Amateur Horticultural Society, June 21 and 22, was as usual, a great success. Evangelist hall was filled with fine exhibits. Mayor Eldridge, of Chicopce had the largest display, forty-five varieties. He has over 400 bushes including eighty-six varieties, 400 busnes including eighty-six varieties, but the recent heavy rains had so damaged many of the blooms that he declined to exhibit them. Mrs. George H. Wells had the only specimen in the hall of the York and Lancaster rose. The only hardy gladioli were exhibited by Mrs. Abbie Perry, who also staged some fine pansies, spiriea, mignonette, Jacq roses and honeysuckle. Wm Goldthwait, of Longmeadow, had handsome pæonies, candytuft, sweetwilliam, gaillardias and three varieties of Canterbury bell. E. H. Barney and C. L. Simonds exhibited some fine lilies and Ald. L. D. Robinson had, among other flowers, some noteworthy pink and white pyrethrums. Other excellent displays were made by E. D. Stock, Mrs. J. W. Shillingford, Mrs. Charles Candrian, Rev. W. T. Hutchins, Mrs. G. D. Cooley, and several others.

The annual sweet pea show of the Hampden Horticultural Society will take place on July 20 and 21.



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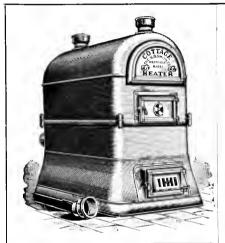
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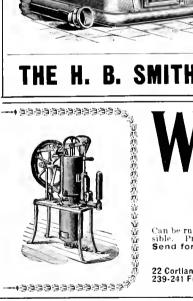
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| 11.2 1442                                                                                                                                                                                                                                                                                                                                                      | Manlewood Cut Flo Col42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Bayersdorfer H & Co H5:                                                                                                                                                                                                                                                                                                                                        | May Jno N1443                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Berger H II & Co = 1410                                                                                                                                                                                                                                                                                                                                        | Mc 'arthy & Co. 1433 1435                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Black Geo A & Bros 1407                                                                                                                                                                                                                                                                                                                                        | McCrea & Cole1444                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Blanc A & Co 1411                                                                                                                                                                                                                                                                                                                                              | McDonald & McManus 14 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Bobbins L.C                                                                                                                                                                                                                                                                                                                                                    | Middlemann Amble 1115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Boston Letter Co. Li.C.                                                                                                                                                                                                                                                                                                                                        | Willang Frank 11.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Bras an Chas P 14.5                                                                                                                                                                                                                                                                                                                                            | Monlayer J C Co1448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Brown Bag Filling                                                                                                                                                                                                                                                                                                                                              | Moon Samnel C 1436 1442                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Machine Co                                                                                                                                                                                                                                                                                                                                                     | Moon Wm H Co1436                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Brunton F & Co 119                                                                                                                                                                                                                                                                                                                                             | Morris Floral Co1456                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Budleng J A                                                                                                                                                                                                                                                                                                                                                    | National Blant to 1448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cambeld of Tile Mfg 111                                                                                                                                                                                                                                                                                                                                        | N V Cut Flower Ev 11.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Carmody J. D 1449                                                                                                                                                                                                                                                                                                                                              | N Y Cut Flower Co1433                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Chicago Wrecking Co 1117                                                                                                                                                                                                                                                                                                                                       | Nickel Plate R Ri455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cincinnati Bag Co 1138                                                                                                                                                                                                                                                                                                                                         | Pampas Grove Nur. 1445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cincinnati Cut Flower                                                                                                                                                                                                                                                                                                                                          | Purker Theron 1446                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Bartlett Geo S                                                                                                                                                                                                                                                                                                                                                 | Player P O Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Coles W W 111.                                                                                                                                                                                                                                                                                                                                                 | Positionan Rros 1119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Conard & Jones Co. 1445                                                                                                                                                                                                                                                                                                                                        | Prince A G & Co 1422                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Conley John & Son 1457                                                                                                                                                                                                                                                                                                                                         | Quaker City Mc'h Wks1447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cottage Gardens 1444                                                                                                                                                                                                                                                                                                                                           | Randall A L1452                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cincinnati Bax Co. 11.8 Cincinnati Cut Flower Co. 16.3 Cinces & Boddinstonle.8 Coles W                                                                                                                                                                                                                                                                         | Mildam Sa Archie. 143 Millang Frank. 1.5 Moninger J C Co. 148 Moninger J C Co. 149 Moon Sammel C 149 Heavy Moor Sammel C 149 Heavy Morris Floral Co. 149 Morris Floral Co. 149 Myrrs & Co. 149 Ny Cut Flower Ex. 145 N Y Cut Flower Ex. 145 N' Handall Geo H. 145 Kaylor J L. 145 N' Kaylor J L. 145 N' Handall Geo H. 145 N' Kaylor J L. 145 N' Handall Geo H. 145 N' Handall Geo |
| cunningham J H1445                                                                                                                                                                                                                                                                                                                                             | Raynor J L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Darmelt From Pot Midliff                                                                                                                                                                                                                                                                                                                                       | Rood & Koller US                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dietach A & Co                                                                                                                                                                                                                                                                                                                                                 | Regan Printing Houselts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Distan J I 1415                                                                                                                                                                                                                                                                                                                                                | Reinberg Brue1432                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DernerFred A ons Collis                                                                                                                                                                                                                                                                                                                                        | Rice M & Co1437                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Dreer II A                                                                                                                                                                                                                                                                                                                                                     | Ricksecker C H1455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Elliott W H                                                                                                                                                                                                                                                                                                                                                    | Rider, Eriesson Co., 1413                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pengat W D 1417                                                                                                                                                                                                                                                                                                                                                | Rolling A & Sons 11.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Fairmount Chemical                                                                                                                                                                                                                                                                                                                                             | Rose Mfg Co146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Labatory14-4                                                                                                                                                                                                                                                                                                                                                   | Rupp Jno F 1438 1440 1444                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Faxon M B 144)                                                                                                                                                                                                                                                                                                                                                 | Sander & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Fioral Exchange The 1412                                                                                                                                                                                                                                                                                                                                       | Schiller J L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Fig. Mut. Fire ins Co., 1455                                                                                                                                                                                                                                                                                                                                   | Scott Inc. 1330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Galvin & Co                                                                                                                                                                                                                                                                                                                                                    | Speridan W. F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gardeners' Chronicle 1455                                                                                                                                                                                                                                                                                                                                      | Stebrecht & Son 1140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gasser J. M 1117                                                                                                                                                                                                                                                                                                                                               | Situations & Wanta., 1431                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Globons H Wlifs                                                                                                                                                                                                                                                                                                                                                | Skabenra Lun Co1416                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gibhn & Co                                                                                                                                                                                                                                                                                                                                                     | Smith The H B Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Chamber ( M 1111                                                                                                                                                                                                                                                                                                                                               | Smith W C 1435                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gullett W H & Sons 1442                                                                                                                                                                                                                                                                                                                                        | Smith W L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gurney Heater to 1448                                                                                                                                                                                                                                                                                                                                          | South Park Floral Co 1442                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hall Assin Little                                                                                                                                                                                                                                                                                                                                              | South Side Floral Co.145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hancock Geo & Sons., 1414                                                                                                                                                                                                                                                                                                                                      | Stearns Lumber Co1115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hartford H 6 110                                                                                                                                                                                                                                                                                                                                               | Strock IN & Bro 1149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Heacock Jos 1441                                                                                                                                                                                                                                                                                                                                               | Sntherland Geo A1433                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Herr Albert M 1415                                                                                                                                                                                                                                                                                                                                             | Swahns Sons J G 1417                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hillinger Bros 1447                                                                                                                                                                                                                                                                                                                                            | Tesson Robt F1442                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HILLE G & CO                                                                                                                                                                                                                                                                                                                                                   | Tong, H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hitchings & Co. 1160                                                                                                                                                                                                                                                                                                                                           | Cibebra K I lill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Holton & Hunkel Co. 14. 4                                                                                                                                                                                                                                                                                                                                      | Ulirich Lonis1440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hooker H M Co 1447                                                                                                                                                                                                                                                                                                                                             | Vance Boller W'ks1118                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hancock Geo & Sone, 1444 Hant M A                                                                                                                                                                                                                                                                                                                              | Van Zanten BrosHII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Hort Adv 113                                                                                                                                                                                                                                                                                                                                                   | Vaughan J.C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Blinds Cut Flower Colte                                                                                                                                                                                                                                                                                                                                        | Vanctur McKellar &                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Jackson & Perkins Cultin                                                                                                                                                                                                                                                                                                                                       | Winterson 1132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Jennings E B 1445                                                                                                                                                                                                                                                                                                                                              | Vincent R & Son 1145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Jones W. H 1444                                                                                                                                                                                                                                                                                                                                                | Wahash R R.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Kasting W.F H. 1137                                                                                                                                                                                                                                                                                                                                            | Walker Fert Co 1316                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Horan Edw C. 143 Hort Adv 145 Hunt Z H. 142 Hillinols Cut Flower Col46 Jackson & Perkins Col46 Jackson & Perkins Col46 Jones W H 144 Kasting W F 144 HG Keller Bros 1445 Keller Geo & Sons 1447 Kelsey Hawan P 145 Kendalifeo M 147 Kendott Bros Co. 147 Kendott Bros Co. 147 Kung J M 145 Kendott Bros Co. 147 Kung J M 145 Kendott Bros Co. 147 Kung J M 145 | Waher H. & Son 1119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Kelsey Hadan P11.5                                                                                                                                                                                                                                                                                                                                             | Weeber & Don1138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Kendali Geo M 1119                                                                                                                                                                                                                                                                                                                                             | Weich Bros115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Keanloott Bros Co [172]                                                                                                                                                                                                                                                                                                                                        | Wheeler Stenzel Co1147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| King J M                                                                                                                                                                                                                                                                                                                                                       | Whilldin Pot Co.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| King J M 145 Kraft's Plant Tonle 106 Kroeschell Bros Co . 145 Kunh Geo A 144 Kuhl Geo A 137                                                                                                                                                                                                                                                                    | Whother Rena 1479 1443                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Kuenn C A 113                                                                                                                                                                                                                                                                                                                                                  | Winter S B 1132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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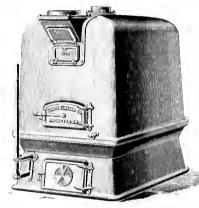
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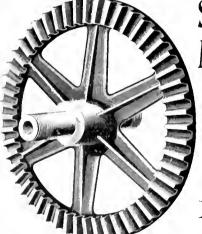
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### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OKNAMENTAL HORTICULTURISTS.

OFFICERS-WM. F. GUDE, Washington, D. C., president; A. DONAGHUE, Omaha, Neh., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass, secretary; H. B. BEATTY, Oll City, Pa., treasurer. The fourteenth annual meeting will be held at Omaha, Neb., Angust 16-19, 1888.

THE AMERICAN CARNATION SOCIETY.
Annual Convention at Philadelphia, February, 1899.
ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Omaha, Neb., August, 1898.

ELMER D. SMITH, Adrian, Mich., secretary.

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# The American Florist Company's New Directory.

The best novel feature of the latest edition of the American Florist Company's new directory is the alphabetical list of all persons in the floral, seed and nursery trades of the United States and Canada. All names are still preserved under states and towns, as in the earlier issues of the book, and it contains the usual array of miscellaneous information invariably associated with directories and reference books. The price of the book in stiff covers is \$2.00; in flexible leather binding, \$3.00.

#### The Society of American Florists.

It will always be the S. A. F. to me in spite of the useless and unornamental appendage lately tacked to the good old name, and I wish to go forward to the front pew, rise before the audience and tearfully say I am sorry for what little aid I gave in making the change. Away down in the hottom of their hearts I believe that nineteen out of twenty of the other culprits are in the same state of mind.

We have had the glittering bait of a national charter revolving before our eyes, and like the voracious pickerel, we gobbled it without stopping to see whether it was good for us or not. What are we going to do with it after we get it, if we ever do, which does not seem altogether likely. What better off shall we be? How much more good can we do the trade? How many more dollars can we gather into the treasury?

I verily believe that President Cleveland was right when he said that a simple trade organization was not entitled to the high honor of a charter granted by special act of the national congress. Now by a change of name and a pretence of being what we are not, and never will be, we are attempting to play a confidence game and get by false pretences what we can not get on our merits.

Let us stop and think of a society of ornamental horticulturists, dignified by a charter from this great government of ours, stooping to sell information to Tom, Dick and Harry as to which of its members pay their bills and which do not. It looks like a mighty small potato with a mighty big name.

Isn't it really about time, or will it not be in August, that we should admit that we have been foolish, drop all this nonsense about a national charter, cut the excrescence off the name and begin to attend to our knitting again? I believe it is.

There seems to be a widespread misunderstanding as to the possibilities of successful work and as to the limitations of the field of action in a national society of this kind. There are, of course, the chronic kickers who are bound to object at all times. These are to be ignored. The fool must be left to his folly, as he can never acquire wisdom. Aside from these, however, there are many earnest and honest men constantly suggesting, with the best intentions in the world, the most dangerous and impracticable things. They seem to entirely miss the proper point of view.

We have a large society whose members are drawn from widely separated localities. Their interests, or what they consider their interests, vary greatly. The binding ties are very loose and the membership fluctuates constantly. The members of its governing body are scattered all over the country and can at best meet but twice a year. These members are changing from year to year, and with a change of membership of this kind in the governing body is quite likely to come a change of ideas and a wavering policy.

Even if it were wise for other reasons to undertake them, strictly commercial enterprises can not be carried out by this or any other society organized on these lines. The Florists' Hail Association has been of much benefit to the trade. The Florists' Mutual Fire Insurance Company we hope to see succeed as well as the other. The Florists' Protective Association, the Telegraph Delivery Association, etc.—well, we do not hear much of them. All of these organizations are, however, separate and apart from the S. A. F., and quite properly so. They are strictly commercial enterprises. To succeed they must be managed on the strictest commercial lines, and the S. A. F. from the nature of things can not do it.

The carnation, rose, chrysanthenium and dahlia societies might well be, and I hope some day will be, united with the mother society, but these others—no.

The recent action of the executive committee in establishing a so-called credit information bureau is to be roundly condemned. There was no need for haste in the matter and its organization should at least have been delayed until the society could have passed upon it.

The idea is utterly wrong from the beginning. It is a commercial enterprise pure and simple and, if to be effective, requires the most careful business management. This management can not be given by four men separated by hundreds of miles, having other business interests and entirely lacking in knowledge in this particular line of work, even though they be such able men as the existing committee are known to be. The idea of this society deliberately selling information as to the business affairs of its members is abhorrent. Finally, the fees provided are so ludicrously inadequate to any kind of efficient service that it is evident that the money contributed by other members for other purposes will have to be diverted for the purpose of supplying to others information of the business standing of the uninterested contributors.

This matter will come up for consideration at Omaha and every member should go prepared to kill it.

The co-operative purchasing scheme is a harmless thing enough which will probably travel peacefully to an early and unlamented death. The members of the

society are too widely separated. Much could undoubtedly be made out of it, however, if taken up locally by the various florists' clubs. It is small business for a society of ornamental horticulturists with a national charter, even if the charter is in the bush. W. N. Rudd.

#### Giant White Daisy.

The vase figured in the illustration is ten inches in height. The small flowers attached to the base are good specimens of the common white daisy, or marguerite, to show the great difference in the size of the flowers and length of stems. The giant variety has stems eighteen inches to two feet in length and flowers from four to four and one-half inches in circumference. A bunch of twenty-five makes quite a vase full, but they do not seem to keep so well as those of the smaller variety nor is the plant a very prolific bloomer.

#### Notes and Comments.

The transformation of Robert Craig & Son's place from a bower of floral beauty at Easter-time to one of leafy luxuriance at the present time is very nearly com-

plete.

Mr. Robert Craig has come to the conclusion that the best kind of a house in which to grow Cocos Weddeliana is a very dark one. When crowded for room for Easter flowering plants, the cocos were put temporarily under the benches along the side of the walk, and they now are wearing a dark, rich shade of green, evidence that the partial darkness suits them.

Mr. Craig, Sr., relates that he recently saw in a lady's home one of the very best cocos of the species under consideration he has ever seen, and it retained a beautiful, rich dark green color, which he can account for in no other way than that it is growing in semi-darkness, as the place it occupies is several feet from a window, and the plant has been in the same posi-

tion for several months.

This fact when generally known ought to simplify the growing of this favorite and graceful little palm, and at the same time stamp it as one of the very best plants in the whole list for home adornment. Another experiment the Messrs. Craig are putting into successful operation is the planting out on tables under glass of a number of our best known and most useful decorative plants, such as, Kentias, Pandanus Veitchii, Livistona rotundifolia and the celebrated Boston

In comparison with plants of the same age, the L. rotundifolia growing in pots and those planted out, the latter were fully one hundred per cent better than the former, being broader in the leaf, yet retaining that compact appearance for which it is noted, and at the same time possessing a more thrifty appearance generally. By this method of culture they will have a large quantity that will readily wholesale the coming fall and winter at \$1 cach, whereas those growing in pots will not be worth much more than 50 cents.

In a recent issue of the Gardening World reference is made to "a beautifully arranged and highly colored group of crotons," exhibited at the Temple Show by the well known firm of Messrs, James Veitch & Sons, and among the varieties named are many which have proven the most satisfactory in some parts of the Inited States for outdoor hedding, as, Barone's James de Fothschild, Livansia

num, Queen Victoria, Hawkeri, Emperor Alexander III. and Mortii. During recent years there has been an increased call for these gorgeously beautiful bedding plants. In addition to the varieties above named, Dayspring, Irregulare, Rubrolineatum, Fasciatus and Aurea Maculatum are good for bedding. The last named is more especially suitable for the edge of beds, being one of the small-leaved section, with green leaves spotted with bright yellow.

Among the newer zonal pelargoniums the Mme. Bruant has made a very favorable impression upon everyone who has seen it. It is quite distinct from anything in this class, the most distinct since Souvenir de Mirande made its appearance nine or ten years ago. The flower is white, veined and distinctly edged with a bright yet delicate shade of solferino; it is very pleasing to look upon and ought to make an excellent market variety. It appears to be a thrifty grower and a free bloomer, with trusses of large size. Whether it will succeed as a variety for outdoors remains to be proven. It is well worth a trial.

Mr. Albert M. Herr says he is trying quite largely for next winter's carnation campaign some of the latest productions in new varieties—seedlings raised in Cali-

fornia. I hope he will meet with more success than I did some years ago when experimenting along the same lines. Mr. C. Joseph Haettel sent a number of varieties for trial selected from the standpoint of the Californian and the best the California climate produced at that time, but not one among them proved to be of any value with us. Louis J. Haettel was a seedling of his, and met withsome success in some sections. It was a white with deeply serrated petals and was quite fragrant. This variety, I think, was sent out by H. A. Dreer, and was also tested by the late Chas. T. Starr, and proved to be the most satisfactory, so far as I can learn, in and near Albany, N. Y.

Carnations do magnificiently in California. I remember in the seventies a Mr. Murphy—I think that was his name—who brought them into San Francisco literally by the bushel from his gardens located on the bay near the Presidio. Plants in one season would make a growth on an average of not less than two feet across. California, in many parts of that favored state, has an ideal climate for the successful development of carnations, but whether the varieties produced under the very dissimilar environment to which they will be subjected in the less favored eastern states



GIANT WHITE DAISIES.



ODONTOGLOSSUM ROEZLII AND VARIETY ALBA.

remains to be proven. Many of the varie ties which I tried were raised near Redondo beach, while others were produced in Piru. I hope Mr. Herr will have flowers of the California seedlings on exhibition at some of the meetings of the Florists' Club of Philadelphia next fall and winter and also at the meeting of the American Carnation Society to be held in the Quaker City next February. E. L.

#### Odontoglossums for Florists.

It has been said that Odontoglossum crispum is the queen of orchids. Certainly there are more plants of it grown than of any other kind, and the more one has the more one wants, chiefly because there are no two that flower alike, and indeed the same plants vary a great deal each year. It is a cool house species, one that needs very little heat as it grows just below the frost line on the Andes in Colombia. The best situation for it is in a north house such as is used for propagating in winter; one that is kept at about 50° will suit it admirably, as most of the growth is made in winter. The plant blooms in spring and early summer and the sprays are exquisite for all decortive purposes. Whether cut or used in pots, to see them arching out over a bank of adiantums is to see one of the prettiest combinations possible. We have used them very successfully in this way during the past few weeks.

Another good species is O. Rossi, a Mexican plant wi h which may be classed also O. Cervantesii, as both are very much alike. These are winter kinds, easily grown in a cool house in summer, with a little more warmth among the

cattleyas in winter. In this way we have brought around some very sick plants, making bulbs as large as hen eggs. flowers are invaluable for boutonnieres for either sex and last well when made up. O. citrosmum is also another valuable Mexican kind for cut flowers, and it may be said that when an orchid hails from this land of sun it, in almost every case, needs abundance of light in winter to mature the growth and make it flower. Our sun is too hot in summer if given in its entire strength, but in winter is necessary in its full power. Many growers dry O. citrosmum almost to death to induce it to bloom, and this is a mistake. Give the growth sun and air and it will flower well without material injury. There are many back walls in florists establishments that might be utilized by cultivating some of these plants wired on blocks of fern root and suspended where they can get plenty of water from the hose in summer; the labor will be small and the returns ample, as some already in the business know and can testify.

We have a great fancy for O. grande; it is an early fall blooming sort and never fails to cause comments from the interesting shape of the crest. It is easily cultivated, at least we find it so, for our plants have been here for about six years and are stronger than ever. This plant must never be dried up or it will suffer quickly. Another valuable class of plants that used to be grouped with this genus is the miltonias, one of which was figured a year ago in M. vexillarinm superbum, and a whole chapter might be written on it alone. Another good kind figured in this issue is M. Roezlii, named in honor of the intrepid collector Benedict Roezl, who saw his first plants, floating down

stream on a log, in full bloom. Both the type and the white form are very beautiful, and they require a little more heat than the others, say a palm house, with plenty of moisture from the hose to keep down insects, thrips especially. Under these conditions they will bloom freely in winter.

There are many other odontoglossums which are good and easy to cultivate. They need lots of moisture, and if the above few kinds are taken in hand, it is safe to say others will follow. Always pot the plants when signs of new growth make their appearance, and this is when new roots are emitted and seek a firm hold in fresh, sweet compost, such as fern root and moss in equal proportions. If the plants are watered properly, the moss will grow and form a healthy rooting medium as well as an unfailing index as to the need of water. We usually begin to pot O. crispum in the month of October, taking the plants most advanced first. The hot days are then past and the plants take hold readily without any check such as would follow this operation earlier in the year. Of course, if an orchid of any kind gets sick, it is best to turn it out at once whatever the season, as delay will cause the loss of the few roots that remain alive.

#### Carnations.

Last week I wrote of the necessity of closer relations between the retailer and the grower. To be a really successful carnation grower there should also be closer relations between the grower and his plants than is usually found. The grower should know all their moods and

fancies, their likes and dislikes, their needs and their foes. If you employ a grower see to it that he can answer any questions about a certain variety at any time during the season and if you are growing them yourself see to it that you can answer these questions for yourself. The grower must come into personal contact at least once a month with each individual plant on the place, no matter whether it is a thousand plants or sixty thousand that are grown. To accomplish this during the summer means that he must do all the topping, and it also means a tired back at night; but all these things are part and parcel of carnation growing.

Such a grower can so handle his plants in the field that they will produce their heaviest crops between December 15 and January 15 and for the same dates preceding and following Easter. With heavy crops when the demand is for them there is little trouble in disposing of the cut between those dates in a satisfactory manner as it will not be large enough to make a glut and plenty to keep up a nice To do this is something that no one can instruct you in, as it is solely and exclusively a matter of soil, season and culture. You must learn to know each variety and how to handle it for yourself. The main object to be worked for is to have plants with plenty of good working wood when they are ready to plant in the house. This, of course, will depend on their topping right now and through the season and will vary with varieties and the season. A variety that grows especially strong will require more topping and it we have a wet summer the topping will have to be given closer attention than in a dry one. Aside from topping, proper field culture must be given the plants and this consists in having a perfeetly clean patch with loose soil between the rows and around the plants in the row, this looseness of the soil to be brought about by the liberal use of the harrow (horse or hand) and the hoe. If insects become too numerous on the outdoor plants, it is well to get rid of them; but unless they become a real menace to the health of the plants, it is better to omit remedy, as often the latter causes as much injury to the stock as the insects them-selves; and if nature is left to take her own course, they are usually cleaned out before they do any scrious damage.

There may be one or two instances in a hundred where the careful use of a good bone or commercial fertilizer will be of benefit if applied immediately before a rain in summer, but make sure that you know how to use it, and even then do not apply it unless the plants are not growing well enough to make good specimens by fall.

No matter whether you want to crop your carnations or have them bloom steadily all the season, if there is to be any money made out of them, they must bear plenty of flowering wood when they are planted in the fall; after they are started in the house, it is a matter of temperature and watering in order to advance or retard them. Carnations that crop have usually been looked upon with dislayor by most growers, but when we learn to handle them properly they will produce as much if not more in the dollars and cents line than those varieties that are always in bloom and never in crop.

Albert M. Herr.

WOODSTOCE, ONT.—The local horticultural society and florists will give a flower show on August 4 and 5.

#### Filling Benches.

How to empty and refill the benches with soil with the greatest economy of time and labor is an important question for all large growers. Ingenious operators have at various times devised methods of more or less pretensions, but it would appear that nearly all have come back to the old-fashioned hand barrow plan, plank runs being laid from the ground outside of the house to the height of the bench and along the same. The "scoop" barrow is the form generally used.

Mr. Benj. Dorrance, who is an extensive rose grower, describes his method of removing stock and soil and re-filling rose houses as follows: "Having first removed the stakes or other supports, with a pair of hedging shears I cut all plants off close to the soil, thus leaving top of benches clear for the wheelbarrows, into which the soil is shoveled by three men and wheeled out by two others. These five men empty a house 20x150 feet in about two and one-half hours. The soil being entirely removed the benches are swept clean and the hose turned on with full force, cleaning every crack and crevice.

The house is then closed tight for twenty-four hours to dry, after which a heavy coat of lime wash is given while hot. The lime wash is made by mixing with the lime when slaking, thirty pounds flower of sulphur to each bushel of fresh stone lime. As soon as the whitewash is completed we reverse the operation of taking out the soil. Two men fill the barrows, two wheeling and the third levels the soil, taking about three hours to fill a house. This is my method and my force of ten men, after the first twenty-four hours have passed, keep a continuous stream of soil going in and out until the houses are filled and planted. It should be added that in the end of each house I place a 3x6 hotbed sash, which takes the place of sash bars, and through which we have access to the outside world without removing any sashbars or glass.'

J. N. May's process is similar. Mr. May says that having the new compost close to the door of the greenhouse he can with four men fill a 100-foot house in about three hours, but usually he has five men in the gang. As this work has to be done invariably in hot weather the desire to get it done as quickly as possi-

ble is apparent. S. J. Reuter in speaking of the same subject lays stress upon the fact that he does not use his regular men for this work but hires extra laborers to do it. At E. M. Wood's Waban Rose Conservatories they have holes made at regular intervals, say eight feet in the roof and shovel the old soil directly from the benches through these openings, thus getting it out of the way immediately, where it is allowed to remain until it can be conveniently carted away, leaving the way clear for beginning work at once on cleaning, repairing and re-filling the beds. Mr. Jos. Heacock advises that a door not less than three feet three inches wide be located in each end of a rose house when building.

Walter Weisbrod, with Conrad Hess at Baltimore, states that he found great difficulty in filling benches by means of boxes carried along narrow paths. He then took to sliding them along the edge of the bench, and this went even harder until he happily thought of grease. He then procured some linseed oil, which was applied with a brush to the bottom of the box and the edge of the bench, and afterward found the work much easier. He adds that the edge of the bench should be smoothed with a plane before the oil or grease is applied.

#### Away Down East.

Florists in general probably have little acquaintance with their fellow craftsmen in that away down eastern district designated as N. B., which in correspondence is the Latin nota bene, or note well, but which in this instance is an abbreviated reference to New Brunswick. For the purpose of introducing that somewhat out of the way locality to favorable notice we present herewith two views of the establishment of Miss Ada M. Schleyer, of Fredericton. Miss Schleyer has 5,000 feet of glass, and, as the pictures show, her stock is in most excellent condition. A general assortment is grown and meets with a ready sale. The roses seen in the picture are Brides and Bridesmaids. New Brunswick is a province more than twice the area of the state of Massachusetts, but, according to the recently issued American Florist Company's birectory for 1898, has only an even dozen florists. Is it any wonder that they all prosper?



VIEW IN MISS A. M. SCHLEYER'S ESTABLISHMENT, FREDERICTON, N. B.

#### New York.

VERY LITTLE BUSINESS BEING DONE.—EARLY CLOSING SUGGESTED .- A NEW BRAND OF LILIES.—SIEBRECHT & SONS' KENTIA FARM.—REMOVAL OF T. W. WEATHERED'S SON.—KOFFMAN'S "RECEIVING STATION." JAPANESE P.EONIES POPULAR.-A DIN-NER COMMITTEE.-THE ROSARY WAS SCORCHED.

Why do not the New York florists imitate those of other cities and close early these summer afternoons? The shops are deserted by customers and if the clerks were to follow their example and lock the doors and skip, it would be a most sensible move. The wholesalers could quit at 1 p. m. every day during July and August, just as well as at 6 p. m., as is the custom. Most of them recognize this fact and all that is needed is someone to prepare as agreement to that effect and the requisite signatures might be easily obtained. Very little is being done in the way of business and that is completed in the early hours of the day, after which the markets and large wholesale establishments serve merely as loafing places for the Greeks, whose ardorfor flower buying and flower selling has given way, for the time being, to their propensity for throwing craps, with a reckless indifference to the size of the stakes.

Down town among the seedsmen equal dullness prevails, an occasional market gardener after Refugee beans being about the only evidence of life. A certain drummer claims to have struck a lucky find, not in the Klondyke but in Bermuda-a graveyard full of Harrisii lilies that have been growing there undisturbed for half a century and not a trace of disease to be seen. Bulbs from this stock come high; so they should, for the stock of such graveyards is very limited. This versatile drummer has not yet decided on a name for the variety. He was at first inclined to callit "The Graveyard Brand" but has decided to wait and see how his customers feel on the subject about next Eastertide, as under the circumstances, this title might have an application entirely too personal.

Siebrecht & Son are about to add another house, 30x132, to their establishment at New Rochelle. The range now comprises seventy-six houses. Kentias and arecas are grown in immense quantities, no less than forty-eight houses being devoted exclusively to them. Mr. Siebrecht says that seeds recently planted will run the number of young stock up to nearly four million. Fourteen houses are filled with ferns among which is a large quantity of Nephrolepis cordata compacta, which is one of the handsomest and most useful ferns in cultivation. The outdoor nursery department contains an enormous quantity of Japanese maples and conifers of the choicer sorts. The boiler house erected here last year is a model in its way. It is of stone, 45x145. Four one hundred horse-power steam boilers constitute the battery and the main steam pipe is carried to the greenhouses through an underground tunnel seven hundred feet in length.

Thos. W. Weathered's Son has removed from 141 Center street to 46 and 48 Marion street, between Spring and Prince streets, two blocks east of Broadway. This is the old location, where the firm carried on business from 1869 to 1890, but greatly improved when the street widening which is now in progress shall have been completed. The new avenue into which Marion street will be merged will be the finest in the business section



VIEW IN MISS A. M. SCHLEYER'S ESTABLISHMENT, FREDERICTON, N. B.

of New York. It will be practically an extension of Fourth avenue to the City Hall, but its name has not yet been decided upon.

The new "Receiving Station" of Koffman, the Smilax King, at 52 West Twenty-ninth street was opened with appropriate formalities on Friday, July Mr. Koffman was there in person all day and received his callers with characteristic urbanity, accepted with due appreciation their good wishes and treated them with unlimited generosity. so that they departed in the frame of mind which this notable occasion justified and demanded. The opening ceremonies are to be repeated annually, regardless of the market value of smilax, adiantum and cypripediums.

A slight fire destroyed the awning and and electric sign and cracked the glass in the show window of "The Rosary" on Fifth avenue, on the night of June 28. A lighted eigar thrown from an upper window is supposed to have been the cause. Mr. J. H. Troy, manager of the establishment, is absent from the city, attending to some business in Newport. Willie ing to some business in Newport. Willie Tiffany, one of the proprietors, has fine bachelor apartments above the store but is now in Cuba with Roosevelt's Rough Riders.

H. H. Berger & Co. report a gratifying business in the fine new Japanese pæonies, which, with their immense brilliant flowers, are doing much to develop the reviving interest in this class of plants.

John Scott, J. W. Withers and J. I. Donlan were appointed at the June meeting of the Gardeners' Society to arrange for a dinner to take place probably about September 10, until which time the society adjourned.

#### Philadelphia.

ORDERS ARE SCARCE, BUT GOOD STOCK IS EVEN SCARCER.—PROSPECTS FOR A GOOD REPRESENTATION AT OMAHA. - HUGH GRAHAM'S FOURTH OF JULY FLOATS WERE ALL RIGHT.

The lot of the scribe is a hard one nowa-days, as there is very little to write about. Everything is at a standstill, about. Everything is at a standstill, except that when an order has been welcomed the machinery of the whole place has to be set in motion to get flowers enough to fill it, for stock of good quality

is very scarce. There are a few good Kaiserins about and some fair Meteors, and these, with an occasional dozen of Alme. Jamain (they cannot be called Beauties now), are to be had provided one gets in ahead of the other fellow. Carnations are still being sent in from last season's plants and are fair in qual-The assortment has dwindled down to McGowan, Scott and a few Portias. Graham has some good Victors, although Daybreak would now be a better name for them. Sweet peas are good one day and poor the next, depending on the weather. Layender and white varieties are much in demand for funeral work. A few asters are making their appearance and will greatly help out the assortment.

The July meeting of the Florists' Club. held last Tuesday evening, was not very well attended, quite a number of the boys being with Commodore Westcott navigating the waters of Barnegat Bay. The question for discussion at the August meeting will be "Climbing and Trailing Roses," and W. A. Manda, of South Orange, N. J., is to prepare a paper on the subject.

The Omaha convention was discussed and it is hoped to get up quite a delega-tion although at present the interest is rather lukewarm. The best rate so far obtained is \$56.34, which includes parlor car each way. There is still some hopes of going and returning for one fare, but it is still in prospect.

Peter Barr, of London, has been honoring this city with a visit the past week. Mr. Barr is a genial gentleman with a very varied knowledge of horticulture. He retired from active business some three years ago and now, at the age of 73, is making a trip around the world. He is halc and hearty and moves about like a man of 60. He goes to Canada from Philadelphia.

Hugh Graham's decorated carriages, four-in-hands, drags, etc., made a great display in the parade on the Fourth of July. Asparagus, pampas plumes in colors, artificial roses and fresh carnations and roses, together with gladioli, made up the assortment of flowers used. There were also a number of immortelle designs, crescents, Maltese crosses, wreaths, etc., attached to the wheels. The whole set, some twenty-five in all, were much admired.

#### Boston.

AN EXCELLENT SATURDAY EXHIBITION AT HORTICULTURAL HALL, - CERTIFICATES OF MERIT.-TRADE IS POOR WITH GOOD STOCK SCARCE.—NOTES AT THE HUB.

At last Saturday's exhibition in Horticultural Hall the delphiniums were strik-ingly beautiful. Many of the spikes showed two feet and more of solid bloom and the range of color was remarkable. and the range of color was femarkable. The premiums went, first, to J. L. Gardner (Wm. Thatcher, gardener), Mrs. A. W. Blake (Henry Wild, gardener), and Rea Bros. A flower cluster of Dendrobium thyrsiflorum Hinghamiensis, shown by W. W. Lunt, attracted much attention and was recognized with a certificate of merit. Compared with the type, the individual flowers are much larger and the color is richer. C. G. Robeling was also the recipient of a certificate of merit for a fine flower of Lælia-Cattleva Canhamiana alba. Of herbaceous perennials fine collections were staged by W. N. Craig, Rea Bros. and Geo. L. Clarke, to whom the prizes were given in order named. Japan irises were not equal to those shown in past years. The principal exhibitors were J. L. Gardner and Miss M. S. Walker (1'. Cairus, gardener). James Comley showed a number of good seedlings. J. L. Gardner was the only exhibitor of campanulas. Sweet williams from W. N. Craig, Mrs. A. W. Blake and Miss. M. S. Walker were excellent. George Hollis staged a collection of thirty-six named varieties of geraniums. In the section alloted to wild flowers was a vase of Goodyera Menziesii, sent from Seattle, Washington, by Prof. H. H. Henshaw. Over in the further corner of the hall the mycologists, with text books in hand, were congregated around a plate on which were spread some bits of a poor little modest looking fungus labeled "Quality unknown." They spent the entire session in its contemplation.

Seashore trade is just beginning to show some signs of life. Outside of this very little is going on. Flowers of good quality are scarce. In roses about the only first-class stock in evidence this week is Kaiserin Augusta Victoria. This prime summer rose is coming in now in beautiful shape and stands pre eminently at the head of the list. Carnations are in fair supply, but small sized and not in special demand. Fink pond lilies are arriving freely but with prices away down. This flower is no longer in the fancy class.

Chas. W. Ross, of Newton, has been appointed a member of the state highway commission.

Departures from Boston for Europe last week included A. Hutson, C. E. Holbrow, W. Anderson and John Price.

Visitors this week: W. E. Chappell, Providence, R. L.; G. B. Dorr, Bar Har-bor, Me., G. W. Hilliard, Exeter, N. H.

#### Chicago.

AN OVER SUPPLY OF POOR FLOWERS AND A SHOREAGE OF GOOD BLOOMS NO. PLATER THE CLASS ROSES,—ALGUST DEL = LL SCARGATIONS PLANTING ROSES 15 SOLID PLDS - COCKSCOMBS AND GERA-STATE PERSONAL MESSION

There has been very little change in trade during the past week, the market continuing over tooled with all seasonathe theners except roses. Lord blooms t and find are very scarce, Kaiserins and Meteors being the only roses in the market that return their usual color-At one or Beauties are laded the worst or all the cours depetals seing about the The first conservation of the Horiets

Club will be made tomorrow, July 10, to Henry Hilmer's place at Blue Island. The train will leave the Illinois Central Station at the foot of Randolph street at 12:45 p. m.

A. Lloyd Vanghan, of Vaughan, Mc-Kellar & Winterson, and Miss Ida Dun-

ham were maried June 29.

Ed. Winterson and C. S. Stewart started Tuesday on a cycling trip through the northwest. They expect to be gone about six or eight weeks

C. L. Washburn and family left Tuesday

on a trip to Colorado.

O. P. Bassett returned to the city Tuesday from Delayan Lake, Wisconsin, where he is spending the summer.

August Dresselhas achieved remarkable success with earnations this season. His plants were good in the fall, came in flower early and bloomed continuously all winter. On July 5, there were only one or two varieties out of about a dozen in cultivation that showed any signs of exhaustion after their long season of forcing. Scott, Albertini and Daybreak are as strong and vigorous now as they have been at any time this season and show every indication of being able to endure the heat and produce a good crop of flowers until time for replanting. The color of the flowers, especially of Daybreak, is phenomenally good for carnations grown under glass at this season of the year. The plants are grown in heavy clay loam; the houses are well ventilated day and night during the hot weather, but no shading has been used. Pressel has this season made a departure from the customary methods of growing roses as he has taken the center benches out of all his rose houses and in their stead has made borders raised about twenty-six inches above the walks. bottom of each border is filled with about twenty inches of stable manure, which, after being well beaten down, is allowed to stand a few days before it is covered with about six inches of soil in which the roses are planted. Mr. Dressel gets all the manure he wants delived free at his greenhouses and it is cheaper for him to fill his borders with it than it would be to fill them with soil.

J. Algots, gardener for Mrs. Geo. M. Pullman, has in front of their conservatory Celosia cristata and Mrs. Parker geranium. The combination of the dark red cockscomb with the light colored foliage of the geranium is very pleasing. Mr. Algots plants the celosia about the 25th of February and grows it in boxes and pots until time to plant out, which is done when he does the general bedding of geraniums and other plants. This year they were planted May 26.

#### St. Louis.

TRADI, IS DULL.—THE PICNIC COMMITTEE'S PLASS - FLOWER SHOW MATTERS IN STATE OF O. -VISIT TO OLD ORCHARD, THE HOME OF THE PALMS AND FERNS,—PLANT MEN PLAN BUILDINGS.

Summer quiet is fast settling upon basiness, and one hears more talk of getting away from town, going to the convention, howling, picnic, and other kindred topics, than of business. Trade is slow and has been so during the past two weeks. Stock is in fan quantity but poor quality. Asters are the latest blooms that have appeared in the market. They have been coming in quite freely for the past ten days and are selling at from I to cents. Acry little cut stock is shown in the retailers windows, they are mostly arranged with plants, the Boston fern showing to good advantage in all of

The picnic committee held a meeting during the week and decided to hold the annual outing on July 20. A programme of events has been arranged and will probably include a shooting contest for the morning. Arrangements have been made for a special train over the Air Line and a good time is promised all who can attend. The announcement and programme is in the hands of the printer and will be mailed shortly, giving everything that the committee wish to say in regard to the event.

blower show matters are rather quiet, the chairman of the finance committee reporting some increase in the subscriptions to the special prize fund, but very little more is expected until fall, when eanvassing will be resumed with vigor, and it is expected to easily put the amount over \$2,000. So far about fifteen persons have signified their intention of going to Omaha; it is expected, however, that this number will be considerably increased as the time for departure approaches.

A very pleasant morning was spent by your correspondent last week visiting the greenhouses at Old Orchard, Mo., that are conducted by E. H. Michel. The place has undergone quite a change in character of stock grown since passing under its present management, as green stock is now grown to the exclusion of flowering plants, and a fine collection of palms and ferns in commercial sizes has been assembled. Latanias, Kentias and arecas predominate among the palms, while a specialty has been made of the nephrolepis among the ferns. Bostoniensis, exaltata and cordata compacta are the main varieties; handsome specimens of them can be seen in from 12-inch pans down. A large lot of Bostoniensis are being worked into 6 and 8-inch pans for fall trade and should prove profitable. Aspidistras are also grown in quantity, an importation of 10,000 leaves having been received and is starting to make its growth. Judging by the number of plants of salable aspidistras that are labeled sold, there will be very little of this season's stock on hand in the fall. Some minor changes are being made in the heating system, which, when finished, will make the houses an ideal home for this class of stock.

Carl Beyer, of Grand avenue and Gravois road, is building two new greenhouses. His specialty is plant trade, both Easter and Market plants. It is also reported that Gus Eggling expects to put up two additional houses before the season commences.

NEWPORT, R. L.-A large number of the gardeners and florists of Newport at-tended the funeral of John Milne on Thursday, June 30. The Newport Hor-ticultural Society was represented by James McLeish, Jr., Jas. G. Kyle and Harry Wesley, as pall bearers. There were many fine floral tributes. Mr. Milne was for many years head gardener in charge of the estate of Mrs. F. O. French.

PATTRSON, N. J.—The Paterson Florists' Club held a spirited meeting on June 22 and it was voted to call a special meeting of all the local florists for Tuesday evening, July 5, at which time a protest against farmer competition on market days and a petition for some form of protection against their methods will be presented to the Board of Aldermen.

### The American Florist

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Address THE AMERICAN FLORIST CO., Chicago.

MRS. H. McCall Travis, of California, who managed Milwaukee's recent tissue paper flower parade, is preparing a similar, artificial Floral Fiesta for the Omaha Exposition.

THE National Florist's Board of Trade has just promulgated its June information and credit list which contains 1572 names, 377 more than appeared in the January issue. There are 562 changes of rating; forty names were dropped.

According to the Gardeners' Chronicle one English grower sent to market 1,820,000 blooms of the double white narcissus in three weeks. One day's shipment was 248,256, weighing nearly three tons. How a cut of that extent here would make the Greeks smile.

#### Hydrangeas After Flowering.

ED. Am. FLORIST:-You will greatly oblige by kindly stating the proper way to treat hydrangeas in pots after flower-

They should be cut back to within two or three inches of the previous year's wood, shifted into pots a size larger, removing a portion of the old soil in the operation, and plunged in an open position outdoors when they have started into growth, housing the plants again in September or early in October.

GROWER.

#### Baltimore.

MARYLAND HAS A TOUCH OF SUMMER WITH THE THERMOMETER BOILING OVER AND NO RAIN.—BUSINESS GOES DOWN AS THE MERCURY GOES UP .- PLANTING IS PRO-GRESSING.

Another rain has alleviated the drought, but earnations and outside plants generally will need more than a temporary help if they are to be in condition to fill the treasuries of the florists next winter.

The man who is prepared to water his planted out stock is to be envied this season, for the heat has already broken the records of the weather bureau by getting up to 104° last Saturday. It may be imagined what condition unwatered plants are in when there has only been two showers in six weeks, and then only enough to moisten the top of the earth. Well, the weeds don't grow, and no one can say there was not enough clear weather to do his glazing and repairing, so we may as well make the best of it.

There is beginning to be a shortness of some things apparent in the cut flower market and the only thing that prevents it developing into a famine is the shortness that is apparent in the demand as well. First-class stock is becoming harder and harder to seeure, owing in great measure, no doubt, to the number who are replanting their houses; still the stifling heat is responsible for a good deal of the small product that some greenhouses are putting forth.

Planting is going merrily along and from present indications there will be abundant material for the usual chrysanthemum glut in the fall. MACK.

#### Asters and California Violets.

ED. AM. FLORIST:-You will oblige by stating to what extent asters underglass require shade; also, whether it is proper to remove the runners of California violets from now on?

It is a decided mistake to shade glass under which asters are growing, for to give shade to these sun-loving plants is to defeat one of the main objects for which they are planted inside greenhouses, namely, to hasten the erop for cutting. Give them full sunlight, taking care not to allow them to suffer for the want of water, nor yet to give them more than is absolutely necessary, for that again would have a tendency to defer the semi-ripening process which the plant should go through under the artificial treatment to which they are subjected in order to gain time in their flowering. Another reason for growing them under glass is to circumvent the ravages of the black beetle, which is the bane of aster growers in many parts of the country, but in the words of Rudyard Kipling, that is another story.

Respecting the removal of runners from the California violet, it is always better to take them off, for in that way the energy of the plant is concentrated in the crown, from which we expect to gather the flowers next winter. E. D. L.

#### Cut Flower Price Lists Received.

Wm. F. Kasting, Buffalo; Ellis & Pollworth, Milwaukee; Bassett & Washburn, Chicago.

#### Greenhouse Building.

Akron, O.-Bolanz Bros., three commercial houses.

Louisville, Ky.—Jaeob Schultz, two greenhouses, 32x152 and 12x140. J. E. Marret, five commercial houses. Gen Schultz, one house 20x104. Joseph Coenen & Co., three commercial houses. Chas. Reimers, one rose house.

Bay Side, N. Y.-Wm. Bell, two earnation houses.

Providence, R. I.-Wm. F. Miller, one greenhouse.

New Rochelle, N. Y.—Siebrecht & Son, palm house 30x132.

So. Royalston, Mass.-Chas. Stewart, one forcing house.

Glastonbury, Conn.-J. R. Morgan & Son, one large commercial house. Ottawa, Ont. — Graham Bros.

house 21x125, carnation house 25x125, violet house 10x125, smilax house 13x75.
New Castle, Pa.—W. T. & F. P. Butz,
two rose houses, each 20x125.
Sharon, Pa.—M. I. O'Brien, 5,000 feet

of glass.

St. Louis, Mo.-Carl Beyer, two commereial houses. Gus Eggling, two houses. St. Joseph, Mo.-Conservatory in Krug Park, 34x76.

#### The Planting of Cemetery Lots.

Cemetery planting, when attempts are made to follow so far as possible the wishes of the individual lot owners and at the same time not violate the general

olan of the cemetery, is an exceedingly difficult matter and is nearly always a failure, artistically at least. The difficulties are so great that most cemeteries have given it up as an impossibility and allowed the lot owner to practically go as he pleases, subject only to a few general rules. Some few have taken the matter entirely out of the hands of the lot owners and allow nothing except with a view to general effect and without regard to its relation to individual lots. The former method results in a crazy patchwork effect, while the latter is too apt to estrange the lot owner and destroy his active interest, removing any sense of personal responsibility on his part.

The American cemetery superintendents as a rule are extremely well posted and intelligent men, and without exception ready and willing at all times to give the lot owner contemplating improvements, the benefit of their knowledge and experience, and every one of them are anxious to have their cemeteries as a whole and each individual lot in the best possible condition. The ideal method of handling this perplexing question would be by friendly consultations between the lot owner and superintendent and in avoiding subjects which would be out of place, selecting only such as would enhance the general beauty of the grounds as well as each particular lot. There are some few lot owners in every cemetery who will do this, but they are in a small minority. The great majority fail to recognize their own absolute lack of knowledge, and, ignore the fact that a lifetime study of this class of work by an intelligent man entitles his opinion to careful consideration.

It may be said that by the establishment of rules the ignorant and obstinate lot owner may be forced to consult with and be guided by the superintendent. Unfortunately the courts do not look with favor on such rules. They fail to take into account the community of interests that exist in a cemetery, and that an unsightly piece of planting in one lot is as damaging to the adjoining lot as though it were planted on the latter. Their tendency in decisions, nearly always, is to guard jealously what they are pleased to term the property rights of a lot owner, and they will not uphold a rule which is not general in its effect. For instance, a rule prohibiting the planting of elm trees anywhere in a cemetery would be upheld, while a rule prohibiting their planting, except where the cemetery authorities eonsider advisable, would, if tested, probably not hold, the idea being that if one lot owner is allowed to do a certain thing,

all must be given equal liberty. A talse sentiment is often responsible or exceedingly bad planting. The fact for exceedingly bad planting. that a deceased friend had an especial admiration for some variety of tree or shrub or flower will cause a lot owner to insist on planting it in quantity in the most unsuitable locations. Any protest on the part of the superintendent will cause him to be considered a hard hearted monster and bring forth as a response, "I have bought and paid for the lot and shall do as I please." The outside gardener is also responsible for much of the bad work done, sometimes through ignorence or carelessness, but more frequently, through deliberate disregard of everything except his wish to dispose of a quantity of his plants at a good price. Many who have fairly well-planned and well kept residence grounds, and hence feel themselves perfectly competent to superintend their own cemetery planting, fail miserably, through a lack of appreciation

of the different conditions. The average cemetery lot is not over eighteen feet square, probably of a considerably less area, and this small plot has no fence and no background against which to mass groups. All planting is viewed from every direction instead of from one or two asin a majority of the residence lots.

The owner generally visits the place but a few times in a season, hence the care devolves upon the cemetery management, who are unable to give the minute attention to little things and the daily inspection and care which are naturally given on his home grounds, except at an expense entirely beyond the ability or inclination of the lot owner to pay. The cemetery lot has no protection from buildings and fences. Trellises, stakes and the like, as they soon decay and are not repaired or replaced by the average lot owner, are tabooed. These condi-tions, their lack of space, lack of background-lack of protection and, to a certain extent, lack of care, inability to use trellises and stakes, and more than all else, regard for the general appearance of the grounds and a decent respect for the rights of adjoining lot owners-forbid the use of a large proportion of the plants, shrubs and trees which are so beautiful under other and appropriate conditions.

The fortunate owner of a larger plot has a somewhat wider range for choice, but it is still limited. The most common mistake made is in planting too many things; next, in planting those which reach too great a size; then in planting those unsuited to the conditions of soil, sunshine or shade and moisture, careless or improper preparation of the ground and slovenly execution of the work, poor grouping and imperfect color combinations where flowers are used. W. N. R.

#### NEWS NOTES.

West Chester, Pa.—A very pretty flower show was held here on June 25 at the summer residence of Mr. S. R. Shipley.

NEWARK, N. J.-A stray horse lunched upon the rare plants in the conservatory of J. Lawrence Kearney, Perth Amboy,

MILWAUKEE, WIS .- W. R. English has opened a flower store in the Plankinton block and makes a fine display of cut flowers.

NEWBURGH, N. H.-Henry Carter's cousin, James E. Orton, is one of the gunners on the Oregon, who helped sink Cervera's fleet.

MARQUETTE, MICH.-One of John Ellioft's greenhouses was burned July 2. The structure was insured and will be rebuilt without delay.

Oconomowoc, Wis. Mrs. H. C. Bucheler's greenhouses, which contain 10,000 feet of glass were considerably damaged by the recent severe hail storm.

HAMILTON, ONT The three buildings of I' Foster & Co., manufacturers of Hower pots, were destroyed by fire June Loss, \$1000, insurance, \$2100

Mistor, Onto. C. Merkel & Son have enjoyed an excellent spring trade and me, just now, having quite a run on sweet peas, entring 5000 every other day.

Viscesso's, ISD -The local florists will co-operate with the Presbyterian church in giving a large chrysanthemum show in October - There will be a premium list.

Champaign, Ills.-Mr. Swartz, proprietor of Crystal Lake Park, offers to donate the ground to any responsible party who will embark in the florist business.

HARVARD, ILLS.-Charles Faust, who has spent a life time infloriculture, makes entomology his hobby and his collection of insects is only second in interest to his well ordered greenhouses.

DUNKIRK, N. Y.—Wright Brothers, of the Dunkirk Seed Company, have pur-chased the large three-story Koch building on Second street and will refit it for the occupancy of their firm.

Springfield, Mass.-The Chas. R. Miller Co, has changed its name to the Chappell-Miller Co. Mr. Chappell was formerly connected with this establishment, and now renews his interest.

GALESBURG HIS-Gesler & Robbins. 219 East Main street, have dissolved partnership, Miss Jennie M. Robbins retiring. E. R. Gesler will continue the business along the lines previously followed.

PEORIA, JLLS.—O. B. Galusha died quite suddenly June 15, aged 78. Mr. Galusha was a native of Vermont but came to Illinois forty-five years ago. He was a member of the first board of trustees of the University of Illinois and was for many years secretary of the Illinois State Horticultural Society. Mrs. Galusha, also aged 78, and one daughter, Mrs. W. H. Smith, 1910 Knoxville ave., Peoria, survive him

PROVIDENCE, R. I.—The June exhibition of the Rhode Island Horticultural Society, which was held on Thursday, the 23rd inst., was pronounced to be the best that this society has ever given. It was free to the public and the attendance was very large. Strawberries were unusually good and this was also true of the roses and other displays. Col. William Goddard, A. Powell, gardener, contributed a grand collection of specimen blooming plants. Sam W. Lewis was also a large exhibitor of decorative plants and herba-ceous cut flowers. N. D. Pierce, Jr., W. T. Edmund and J. H. Palmer showed some fine carnations. Roger William Park made an interesting display of single roses.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid aubscriber to the AMERICAN FLORIST for the year 188 is entitled to a five-line want adv. free to be used at any time during the year.

STITIATION WANTED By young man where he can learn rose growing thoroughly; two years in the trade; good reference: address AB, care American Florist.

STUATION WANTED As working foremen or otherwise by good rose grower, also carnations, tunins, etc.; swe 28; wages not less than \$25 GEO. SPENCKII, den'l Delivery, Detroit, Mich.

OFFIGATION WANTED By a practical landscape in gardener and florist, understands tropical plants and greenhouse work, have 17 penrs experience with A 1 references, competent to take charge of gentleman's place. Addiess. 310 Michigan, Chicago.

WANTED Good man to construct two greenliouses about [8x,00 ft Address D.B. care American Florist,

WANTED A water-back for large size Devine holler Address, giving size, liow long in use and lowest cash price W. L. SMITH, Aurora, III.

WANTED AT ONCE As all round good florist; German preferred, 20 per month and board, stendy place the year round — O.R. DEMMLER, Abufferson Str. et. Eau Claire, Wis.

WANTED AT ONCE-Young florist, single, German preferred; to work with boss in range of 12,000 ft. of glass; wages \$15 per month and board. Address PAUL LIERSCH, BRIAVIA, N. Y.

WANTED AT ONCE—An all around experienced kgrdner for commercial place: most understand the culture of palms and feros. Young and single man preterred; for information address Louis G. Prinder,

LOUIS G. PFUNDER, 427 Washington St., Portland, Ore.

WANTED AT ONCE—A good gardner and florist; must be single; waves \$20 per mooth with board and room; none but steady, reliable man need apply; state nationality. Address PUGET SOUND NURSERY AND SEED Co., No. 1123 Second Ave., Seattle, Wash.

WANTED—Man, married or single, with general knowledge of horticulture, to work on an agricultural experiment station; wages \$40.00; to advance to \$50.00 to the right man; orchard, greenhouse, garden; new country, fine climate. Address J. A. BALMER, Pullman, Washington.

TO RENT-Well-established greenhouse to responsible party; particulars. E. FRANKE, 410 Milwackee Ave., Chicago.

FOR SALE—Well-psyling retail florist business, store and greenhouses II. N. BRUNS, 690 W. Van Boren St., Chlcago.

FOR SALE CHEAP-Only greenhouse in town of 4000 in Southern Michigan. Good reason for selling. Address C. H. Pick, Hadson, Mich.

FOR SALE-Foor greenhouses, nearly new. Spiendid retall stand in residence distriction payed street lending to cemetery. Easy terms. Most retire on account of health A. CLAUS, 501 N. 4th St., Springfield, Ill.

POR SALE—At a good discount, a lot of 4-inch, cast from pipe and also double strength glass, ranging in sizes from 8x10 to 12x14; also good boller capable of heating 5,000 feet of 4-inch pipe.

DANIEL BRANCH, 3800 Grand Blvd., Chicago.

FOR SALE OR LEASE—A drsi-class nursery, located ocar Frackford, Philadelphia, comprising 10 hat houses, 2½ story brick dwelling, stable, horse, wagons and all necessary implements. Lot 159x122. Must be solid owing to dearly of owner. For particulars call or address 1855 Bucklus St., between Kenslogton and Frankford Aves.

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One block from coroer Lincoln avenue and Wellington street, a bunch of lots at \$25 per front foot, sewer and water. Sultable for kreenhouse purposes.

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The largest greenhouse plant in northern Kunsas, on the St. Joseph & Grand Island R. R., at Marysville, Kan. I offer my greenhouse and ten acres of land now enjoying a fine and growing patronage for cut flowers, plants and vegetable gardening; commedious dwelling house on the premises; living water, and all improvements and buildings quite new. A rare chance for an established buisness. Write for further information tolished buisness. Write for further information HANS SCHMALZL, Marysville, Kan.

The largest greenhouse plant in Texas. As we have decided to devote our whole attention to our seed business, we offer our greenhousen and I0 acres of land for sale. Have 15.000 square feet of glass, all perfectly new and bott with all modero improvements. Will sell land, greenhouses and stock or greenhouses and stock and reut land. We have the largest trade in planta and cut dowers in Texas. Purchaser will step into a first-class established business. This is a chance that is seldom offered. Writefor particulars if you mean business to

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Will sell July Eith, one o clock, 7 houses of Mr. J. W. YOUNG, Wayne Ave., near Upsal, 14,000 eq. ft. of glass, 19x12 and 19x15, mostly double 1700 feet, 4-inch cast Iron pipe; 700 feet 2-inch. 3500 feet 1½ wrought Iron pipe 20 horse-power locomotive boller and stack. 12 horse-power retorn to bullar boller and stack. 25 feet coll pipe in good condition.

Now Ready! The American Plorist Company's Directory of Horists, Nursery-of the United States and Canada arranged both by States and Fost Offices and all names Alphabetically. Price \$2.00. In Plexible Leather Binding. \$3.00. Fully revised to 3,000 New Names

American Florist Company, 321 Dearborn St., CHICAGO, ILL.

When corresponding with any advertiser on this page, please mention the fact that you saw the ad, in the AMERI-CAN PLORIST.

# Going, Going, Gone!

and it's your own fault if you don't get the bargains. Auction Sales of Plants every Thesday, Thursday and Saturday at 9 A. M. at . . . . .

# McCarthy & co.'s

If you want to buy, send for Catalogues. & If you want to sell, write for terms. & & &

IT PAYS!

# Your Spring Plant Trade

will come easier, and be more profitable if solicited in the pice way you can do such things by means of

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# FLORAL BLOTTERS

DAN'L B. LONG, Publisher BUFFALO.

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Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

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Florists' Supplies

PHILADELPHIA. PA. 25 N. 4th Street. -

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BRILLIANT GREEN AND BRONZE

GALAX LEAVES.

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ROSES, CARNATIUNS, AND ALL KINGS OF SEASONABLE FLOWERS IN STOCK.

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Please mention the American Florist

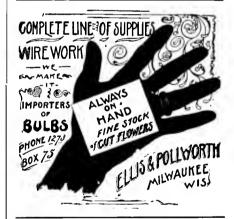
# Boston Florist Letter Co.

FLORISTS' LETTERS. 11/2 IN. LETTERS

This wooden box nicely stained and var-nished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters. 1 % or 2-inch size, per 100, \$2.00. Script Letters. \$4. Fasteoer with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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Stiff, wiry stems. Work up

Box of 5000, \$5.00. Less quantity at \$1.25 per 1000. ....ADDRESS....

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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Address EDITORS OF THE "H. A."

Chilwell Nurseries, - Notts, England.

FLORISTS' MUTUAL

Application Blanke and Prospectus Ready.... Write now, Delays are dangerous.

W. J. VESEY, Sec'y, - Ft. Wayne, Ind.

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# Wholesale Cut Flowers

51 Wabash Avenue,

W. S. HEFFRON, Mgr.

....CHICAGO.

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Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders

THE "OLO RELIABLE" FOR

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Go Everywhere

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# A. G. PRINCE & CO.

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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PACKED RIGHT.

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Wholesale Florists

47 Wabash Avenue, CHICAGO.

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Wholesale Dealers and Growers of Cut Flowers

CREENHOUSES: HINSDALE, ILL.

# Wholesale Flower Markets

| CHICAGO, July 8.                |
|---------------------------------|
| Roses. Beauties per doz5@2.50   |
| " Brides 2 00@ 3.00             |
| " Meteors, Kalserins 2.00@ 5.00 |
| " Bridesmaids 2 00@ 3.00        |
| " Gontlers, Perles 1.00@ 3.00   |
| " Testouts 3,00 a. 5,00         |
| Carnations, common              |
| " fancy                         |
| Marguerites                     |
| Lily Oratum 6.00@ 8.00          |
| Harristi 3.00@ 5 00             |
| Lily of the vailey 3.00@ 5 00   |
| Sweet peas                      |
| Gladieli 4.00@ 6.00             |
| Adlantum                        |
| Smilax 8.00@10.00               |
| Asparagus40.00@75.00            |
| Panalea                         |
| t ansies.                       |



GROWER OF ROSES.

DEALER IN CUT FLOWERS.

# J. A. BUDLONG

37-39 Randolph St.,

CHICAGO.



#### WIETOR BROS.

ROGERS PARK FLORAL CO.

Wholesale Growers of CUT FLOWERS

51 WABASH AVENUE,

....CHICAGO Headquarters For American Beauties.



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A complete line of Wire Designs.

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complete line of Wire Designs.

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2740 Olive Street,
ST. LOUIS, MO.
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ESALE.... OWERS ....wholesale....

.....ROSES, and a full line

Headquarters for the South West.....

### ST. LOUIS CUT FLOWER CO. Wholesale Florists

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4th and Walnut Sts., CINCINNATI, OHIO. Consignments Solicited. Special Attention Given to Shipping Orders.

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SUCCESSORS TO
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Fresh Cut Flowers, Florists' Supplies Manufacturers of WIRE DESIGNS

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Phone Main 974

457 Milwaukee St., MILWAUKEE.

# 

We can fixe corders on short notice with all lending varieties of Rose winds arimtions. We are beadquarters for Fine American Beauties. To veins a trult and convice yourself. 600,000 FEET OF GLASS.

PLANTS SENT BY EXPRESS AT PLANT RAILS, 20 PER CENT LESS THAN MERCHANDI-L RATES .....

Per 100 American Beauties, 21g-in. \$4.00 \$35.00 45.00 3-in. 5.00 Meteors...... 212-in. 2.50 22.50 Brides...... 212-in. 22.50 Bridesmaids...... 212 in. 2.50 22.50 Perle...... 212-in. 2.50 22.50 SMILAX PLANTS, \$1.50 per 100; \$12 per 1000.

Store closes at 5:30 P. M. during July and August.

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51 Wabash Avenue, CHICAGO.

# Donald & McMa

EXTRA FANCY STOCK FOR SPECIAL OCCASIONS.

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### TRAENDLY & SCHENCK, Wholesale Florists,

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

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and all other choice cut flower stock.

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Price tist on application.

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MARKET The New England Headquarters for the best grade of flowers at all seasons of the year ...

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### THE NEW YORK CUT FLOWER CO.

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Special Attention Given to Shipping Orders. Mention American Florist.

EVERY DAY

50 West 30th Street, NEW YORK CITY.

# M. A. HART. Commission Dealer Cut Flowers.

NEW YORK CITY.

THE BEST MARKET IN NEW YORK. 'Phone 1307 38th St.

# Wholesale Flower Markets

| NEW YORK, July 6.                                                                             |
|-----------------------------------------------------------------------------------------------|
| Roses, Beautles, Hybrid 2 00@ 16 00                                                           |
| Bridesmaids, Testouts, Brides 50% 3 00                                                        |
| " Morgaus Meteors                                                                             |
| Carnations 3 @ 50                                                                             |
| Lily of the valley 1 00@ 3.00                                                                 |
| Lily of the valley 1 00@ 3.00<br>Sweet peas, per 100 hunches . 1 00@1.50                      |
|                                                                                               |
| Smilax         S 00 2 10 00           Asparagus         40 00 2 50,00           40 00 2 50,00 |
| Asparagus                                                                                     |
| Cattleyas                                                                                     |
|                                                                                               |
| oston, July 6                                                                                 |
| Roses Beautles 5.00@15.00                                                                     |
| " Morgans, M. teors 2 00@ 4 00                                                                |
| " Brides, Bridesmaids 1 00@ 4.00                                                              |
| Carnations                                                                                    |
| Lily of the valley 2 10 a 3.00                                                                |
| Harrisii                                                                                      |
|                                                                                               |
| Smilax                                                                                        |
|                                                                                               |
| Adlantum 500å .75                                                                             |
| PHILADELPHIA, July 1.                                                                         |
| Roses, Beauties 1 00@ 20.00                                                                   |
| Brides, Bridesmaids, Safrano 2.00 \$ 4 00                                                     |
| " Kalserina                                                                                   |
| Carnations. 500 .75                                                                           |
| Lily of the valley                                                                            |
| Harrisil                                                                                      |
| Sweet peas                                                                                    |
| Cattleyas                                                                                     |
| Smilax. 12 00@ 15 00                                                                          |
| Asparagua                                                                                     |
|                                                                                               |

# LUDLOW ST. 7 PHILADELPHIA, PA

# Asparagus

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

# Now They're Cheap!!

FLOWERS, ALL KINDS. PLENTY OF THEM AT

J. K. ALLEN'S 57 WEST 28th STREET,

TELEPHONE 382 38th St.

#### GALVIN&CO. Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

Good Money for your Flowers. Cood Flowers for your Money. VEST 29TH ST, NEW YORK. 49 WEST 29TH ST . TELEPHONE 1675 38th St.

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67 Bromfield St.,

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JOBBERS IN Wholesale Florists ALWAYS ON HAND CARNATIONS. BRIDESMAIDS

Horticultural Auctioneers. HAWLEY STREET. . BOSTON.

# John I. Raynor,

49 WEST 28th STREET.

NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

**Record Breaking Carnations** ALL THE YEAR ROUND.

# Thos. Young, Jr.

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### ORIST,

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

# ose (irowers

Will find a good market and good returns for their stock at....

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34 W. 29th Street, NEW YORK, WHOLESALE • FLORIST.

Careful Shipping to all parts of the country Price list on application.

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404-412 E. 34th St. Near Ferry. Open for Cut Flower Sales at 6 o'clock Every Morning..... DESIRABLE WALL SPACE TO RENT

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111 West 30th Street, NEW YORK.

Telephone, 260 38th St. Consignments Solicited.

# FRANK MILLANG,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange.

NEW YORK.

#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

A. L. BROOKE, Pres.: E. ALBERTSON Vice-Pres.:
GEORGE C SEAGER, Rochester, N. V., Sec'y.

St. Louis, Mo.—Stark Bros. are building a handsome fire proof office building at their nurseries, Louisiana, Mo.

MRS C, E. BUDLENG is one of the most successful traveling sales people of the Chase Bros. nursery at Rochester. Her territory is in Indiana.

AUGUSTA, ME.—The strawberry and rose meeting of the Maine State Pomological Society was held here on Tuesday and Wednesday, June 5 and 6.

THE American Orchard Company at St. Louis has been incorporated with \$100,000 capital. L. W. Day holds 998 shares and J. E. Hereford and J. W. Darst one share each.

NURSERYMEN have received complaint that the apple crop of southern Illinois and Missouri will be almost a total failure and that peaches and pears will be but a good half crop.

DETROIT, MICH—W. P. Hurlbut has been appointed secretary and manager for the park commissioners at a salary of \$2,100. R. J. Coryell was appointed floriculturist at a salary of \$1,50°.

Lenox, Mass.—On the evening of Saturday, July 2, a very interesting exhibition of roses and strawberries was held by the Lenox Horticultural Society. George II. Thompson read a paper on "The Rose Garden."

GENEVA, N. V.—George S. Conover, the historian and one of New York's prominent citizens, died July 5, aged 74. He established a nursery here in 1870 and was engaged in the business for several years. A wife and daughter survive him.

#### Hardy Herbaceous Plants.

1h tract of a paper read before the Toronto Horticultural Society, by J. McPherson Ross.]

Herbaceous is a name commonly applied to all plants with perennial roots and As a general thing in the past hardy berbaccous plants have not received the attention they deserve, but I am glad to see that there is a growing interest now taken in them, particularly by the professional gardeners, who as a class have rather despised them. Perhaps this may be attributed to their easy growth, calling for no special care in their propagation or after cultivation. Leaving the profession out of the question, we might say that public indiffer-ence is largely due to pure and simple ignorance of their value; but the main reason may be better attributed to the common practice of indiscriminate plant. ing, to that hit or miss style which can be seen anywhere and everywhere with but very few exceptions. It is evident now that this indifference is passing away for mearly every floral publication issued recently contains reference of some kind about the beauty and value of hardy herbaccous plants. It is sometimes urged that there would be more of their planted if their flowering season were longer, that the majority of them last such a short time in bloom that to have many flowers would require very extensive collections to king up too much space in small yardens, and that, therefore, their general couples ment you dobe most sorted for extensive grounds or parks. There is

very little in this argument. That we see them fade with regret and turn with zest to the season of flowering of the next favorite, forms, to my judgment, their chief claim to attention.

Then there is the foliage, so attractive in its varied forms and colors. I find also that the artistic delight in color is growing with the public so that there is a real source of enjoyment in the study of the endless scale of greens. At least one very elever gardener assured me that he took almost as much pleasure in comparing the varying shades of the foliage as he did in the flowers. I think, myself, that the renewed interest taken in herbaceous plants is partly owing to too much carpet bedding and ribbon planting with which we have been dosed so heavily during the past twenty years; and really, in many cases, artificial plants would answer just as well as natural ones in the formal arrangements where the individual characteristics of the flowers are lost and only the color effects shown. which could also be more easily and just as satisfactorily secured by painting the various forms on the sod with colored calcimine. We turn with relief to our herbaceous plants after this exhibition of floral fireworks. No other system is so effective in displaying the beauties of herbaceous plants as that of grouping each kind in masses without definite form. Always avoid circles, squares and rows, and by keeping this in mind when planting collections you will produce the effect of the plants growing and spreading natnrally. The various kinds can be cultivated just as conveniently by the commercial grower in irregular masses and systematically labeled and dug for packing and shipping in the selling season as if they were grown in straight rows. In this way they also are shown in the most attractive manner to a customer, and the most suggestive for his or her own plant-

A proper selection of the different species will give us flowers from earliest spring to latest fall, forming a constant source of pleasure and gratification to the grower, so that starting with the earliest flowering dwarf irises, pansies, forget-me-nots, the sprightly daisy, phlox subulata, the graceful racemes of the bleeding heart, and many others, we have nearly two months of flowers before it is safe to plant out such greenhouse stock as coleuses, geraniums, etc. Besides the renewed interest now shown in well known varieties of herbaceous plants, there is also a general awakening to the fact that many of our native wild flowers are exceedingly beautiful and descrying of a place in our gardens. The hardy trillium is eagerly sought after and brings high prices in Europe, also the dog's tooth violet, hepaticas, lady slippers and many other native plants that heretofore received but slight attention are now collected and grown with zeal and care. This popularizing of the neglected herbacoons plants will be productive of good. New varieties will be produced at a rapid rate, and as an example we may note the endless varieties of the columbine and proppy now in cultivation. We cannot yet estimate the value of herbaceous plants. In order to do this accurately we must consider their hardiness, the small amount of care required after planting, their adaptability to any situation, thriving in poor as well as rich soils, sandy or clay Then there is the question of expense, their low cost and permanence often rendering them preferable in comparison with our bedding plants which require renewal every season. In herba

ceous plants we do not lack for contrasts in growth, for in size we find in the plants, from the dwarf phlox to the gigantic polygonums, every variety of color and form of bloom and foliage. In this assortment we find plants suitable for any location, small beds and borders in the contracted city lot as well as large plantations on big estates and public parks.

It would be impossible in the limits of this paper to fitly describe the beauties and characteristics of each plant, or even to mention without description the numerous varieties. The subject is entirely too large to be treated in one evening as there is an abundance of interesting matter to make a paper on herbaceous plants alone for every meeting of the society. The flowering season of these plants, in many cases, can be prolonged by cutting back the old flower stems, which will have the effect of throwing out new flower spikes later on. This is true notably of phlox and larkspurs. It is not necessary to mention soils most favorable for their growth, for as I said before, the majority of them will grow anywhere, though like everything else they rejoice in a rich clean soil and in all other good conditions of it. Nor have I much to say regarding their propagation, as they grow so freely from division that it is not necessary to go to the trouble of raising them from seeds. There is no special call for art or skill in their planting or proper disposition. In such a case the purchaser of plants would be required to learn the habit and nature of each so as to plant the creeping or dwarf growing plants in situations suitable for them; as for instance, the moneywort on rockeries, margins or borders, the moss pinks on hillocks, etc. The rule most generally followed in planting early flowering species and varieties is to put them in the most conspicuous point of observation, such as by the gateway or in the border by the pathway leading to the residence. This desire may be explained by stating that there is almost an anxiety on the part of everyone to show early flowers, and after the long dreary days of winter it is a positive pleasure to see the first flowers of spring. Tall growing plants are usually placed in the back of the border next the buildings, trees or fences or in the center of large groups, as the case may be. Where the grounds are large enough to permit it, the grouping of thirty or forty plants of one species together makes a fine effect; a large bed of paronies, for example, produces a very fine effect in themselves. A bed of holly-hocks with Bocconia cordata in the center, then a broad circle of pæonies, next irises or campanulas, then Achillea aurea or Spiræa filipendula, finished off with an edge of cerastium always commands admiration. Of course, other and better combinations may be made, but it is always best not to observe uniformity.

#### Worcester, Mass.

Business has finally reached the low summer mark and about all the storemen have to do is to keep cool and talk learnedly of how the war should be carried on. With the grower things are entirely different, for, stripped of superfluous clothing, he is repairing benches, planting roses, keeping down the everlasting weeds and doing the thousand and one things that the thrifty manfinds to do at this time.

Carnations have finally succumbed to the hot weather and are getting small and will soon be worth less than the water it takes to keep them alive. Roses are holding out well and we are getting good Kaiserins, Bridesmaids and Brides. Outside summer flowers are plentiful and useful to keep the store windows looking

respectable.
The Horticultural Society's exhibition,
June 30, was one of the best and largest of the season, as more than 1300 vases were filled with the various flowers called for in the schedule, and there was not a

poor vase in the hall

The display of cut flowers was up to the usual high standard, and the premiums were awarded to H. F. A. Lange, F. A. Blake and H. A. Jones in the order named. For hand bouquets, H. F. A. Lange, A. A. Hixon and Mrs. Thos. W. Ward were winners. There was a very fine display of Campanula Medium and first prize was awarded to F. A. Blake, second to E. A. Underwood and third to T. E. Fisher. The display of Dianthus barbatus was unusually large and fine. T. H. Bennett had a splendid exhibit and captured first, F. P. Alexander second and T. E. Fisher third. F. A. Blake was awarded first for foxglowes, T. E. Fisher second and W. G. Fobes third, and they made a splendid showing. The display of H. P. roses was almost equal to that of last week and Edward Hall took first, F. A. Blake second and Mrs. H. A. Jones third. The attendance was very large. Á. H. L.

#### Cincinnati.

OHIO FLORISTS ENJOY THE HOSPITALITY OF THEIR HOOSIER BRETHEREN AT THE MID-SUMMER MEETING AT RICHMOND .-A VISIT TO HILL & COMPANY'S FINE ESTAB-LISHMENT.

On July 2 President R. Witterstaetter, of the Cincinnati Florist's Club, and W. Murphy, Win. Mann, E. Forder, E. G. Gilbert, Geo. Bartlett and H. Schwarz, accompanied by their judicial friend, Theodore Bock, of Hamilton, were the guests of the Indiana State Florists' Association at its annual mid-summer meeting, held this year at Bichmond. meeting, held this year at Richmond.

The Buckeye party was met at the station by John Evans, of ventilator fame, whose silver cup the bowlers will strive for at Omaha, who escorted the delegation to the session, where President Witterstaetter arrived just in time to be presented with a finely upholstered rocking chair. S. Stuart, of Anderson, who acted as chairman of the meeting, made the presentation speech in happily chosen, well turned phrases and told the surprised Ohioan that the soft seat was but a token of the association's appreciation of his services as judge at the annual chrysanthemum shows, a position he has filled for the past three years. Mr. Wit-terstaetter responded feelingly and others of the visitors gave short talks of a felicitous nature.

At 1 o'clock, the business session having been very brief, the visitors were dined at the Wescott Hotel by the Richmond florists. Following the repast the party visited various points of interest, notable among them being the establishment of E. G. Hill & Co., where the range of houses would serve as the model for a perfect plant. Mr. Hill has 165,000 carnation plants in the field but he makes roses his specialty and 100,000 teas have just been potted up. One of his houses contains 36,000 Brides and Bridesmaids in fine condition. A house 25x175 is filled with Latania borbonica in 5-inch pots and growing splendidly.

H. SCHWARZ.

#### **BURPEE'S** SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners. .....

### CHINESE PRIMROSE

Greatly improved and well-known to be of the very finest grown. Packets put up specially for Florists, of best single and double varieties. 400 seeds, \$100. Plants ready in August. at \$2.50 per 100.

Gineraria seed of large flowering dwarf varieties in choicest mixture. pkt. 25c: 6 pkts., \$100.

Primola obconica, pkt., 1000 seeds. 35c

Primola floribonda, fine yellow, pkt., 25c.

JOHN F RUPP, Shiremanstown, Pa.

### COLD STORAGE VALLEY ALWAYS ON HAND.

CASES of 2500 pips, extra quality, \$25.00; per

100), \$12.00. SES of 3000 pips, good quality, \$25.00; pe 1000, \$10.00.

CLUCAS & BODDINGTON CO.. 501 & 503 West 13th St., NEW YORK CITY.

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Plants, Bulbs & Requisites.
They are the best at the lowest prices. Irade List issued quarterly, mailed free to the trade only.
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Finast Quality Ever Offered (Retails @ 30c. lb.) J. CHAS. McCULLOUGH, SEEDSMAN, RECLEANER AND JOBBER GRASS SEEDS. North-East Second & Walnut Sts., Cincinnati. O.

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### **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

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ESTABLISHED 1854

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20,000 American Arbor Vitæs, 2 to 8 feet specimens and hedging plants.

5,000 Pyramidal Arbor Vitæ, 2 to 4 feet.

20,000 Compacta, Globe and other dwarf Arbor Vitæs, all sizes.

3,000 Nordman's Silver Fir, 1 to 2½ feet.

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3,000 Mahonias aquifolia and Japonica.

3,000 English lvy, strong plants.

Prices low. Correspondence solicited.

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For Fall '98 and Spring '99 Delivery A SPLENDID ASSORTMENT OF

#### FIELD-GROWN HARDY ROSES

Clematis, Ornamental Shrubs and Trees, Pæonies, Herbaceous Plants, Small Fruits, Fruit Trees. Price list ready in July. Special quotations gladly submitted by letter.

Jackson & Perkins Co. New York.

PRIMULA—Florist strain, trade pkt. 50c; double trade pkt. \$1.00.
PANS1—Mittlog's Glant Flowering, florist strain, 1rade pkt. 50c; double trade pkt. 50c; or \$4 0z \$1.00.
PANSY—German, trade pkt. 25c; double pkt. 40c, or \$4 0z \$0c; 1 0z \$2 00.
CINERARIA Hybrida—Trade pkt. 50c; double trade pkt. \$100
Above seeds have been tested and found 91 per cent. new 1888 seeds.

THE MORRIS FLORAL CO., Morris, III.

Assorted in 25 Varieties.

My selectiou \$50 per 1000. Descriptive catalogue and price lists for the trade.

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MORRISVILLE,

Bucks Co., PA.

#### OUR SPECIALTIES ARE Azaleas, Roses, Rhododendrons

New and rare hardy plants for forcing. Novelties in Ferna (raised by the largest London grower). The newest and best varieties of roses, H. P. and Tea scented, from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New England States.

F, Brunton & Co. IMPORTERS & EXPORTERS OF NEW AND RARE PLANTS.

136 Boylston St., BOSTON, MASS.

10,000 Seedling Ampelopsis

Fine plants from seed bed, \$5.00 per 1000. Cash with order, Will exchange for small

palms. Geo. A. Black & Bros.

Lutherville Nurseries, - Lutherville, Md. PEREFERERERERERERERERERER

### Now Ready!

American Florist Company's ..

DIRECTORY Of Florists, Nurmen of the United States and Canada, Price Two Dollars. In Flexible Leather Binding, Three Dollars .....

AMERICAN FLORIST COMPANY 324 Dearborn St., CHICAGO, ILL.



A LIVE AND RELIABLE CORRESPONDENT WANTED in every live city in the world. We enable you to deliver flowers by telegraph. A profitable convenience. For particulars, write

> C.B. WHITNALL, MILWAUKEE, WIS. 438 Milwaukee St.,

#### THE SEED TRADE.

#### AMERICAN SEED TRADE ASSOCIATION.

EVERETT B CLARK, Pres: Jos A. Bolgiano, 1st Vice-Pres: S. F. Willard, Wethersfield, Coon, Secy and Tress.

S. Y. Haines has returned to Minneapolis much improved in health.

H. M. EARL is inspecting the seed crops on the Pacific coast for W. A. Burpee & Co., of Philadelphia.

Ix the vicinity of Charlotte, Mich., there will be a shortage in the clover seed crop. The plants did not blossom.

SWEET PEAS are now being harvested in California. Present indications are that about half the list will be filled in full while the remainder will be from twenty-five to seventy-five percent short, averaging forty per cent.

ERFURT.-Writing under date of June 15, a correspondent refers as follows to German pansy seed prospects: "The continuous cold weather from March until May retarded the development of plants. The few warm rains lately experienced started a better growth, but even with this advantage the new crop of seeds will not be ready before July 20. Up to date only one picking has been made, with small results."

#### The Harrisii Lily Disease.

We are informed on excellent authority that the British government has sent a Kew man to Bermuda to investigate the Harrisii lily disease, and if possible to take such steps as will insure its eradica-This expert is of the opinion that tion the mite or insect, to the presence of which the disease is due, thrives in any land that is over fertilized with chemical manures, and is not peculiar to Bermuda or the Harrisii lily. The real trouble, he claims, lies in the fact that the stockitself is weakened in vitality. The bulbs in the past have been forced to such an extent by the aid of chemical fertilizers that the scales employed for propagation are unable to produce healthy bulbs. New stock from another source, Holland, for example, it is stated, would prove sufficiently bulbs. ciently robust to successfully resist the attacks of this pest.

#### The Dutch Bulb Outlook.

The Holland houses report, June 24, quite unfavorably on this season's crop. They say this is especially the case with all hyacinths, and intimate that it will be almost impossible to supply the usual amount of stock in regular sizes when the time comes to execute the orders of the present season. They do not state, however, whether the prices at which they have taken early orders will be reduced to correspond with the sizes which they will be ofdiged to deliver. A few articles are said to have done well, such as crocuses, scillas and narcissi in general, although double Von Sions have not done quite so well as other narcissi. The cause of the damage to the hyacinth crop is attributed to the severe frosts in Febru ary and March and the continued unfavorable weather following. The leaf growth died off at least three weeks, too early and at the very time when the bulbs should swell and increase in size. The tulip crop, while not so unfavorably influenced will as compared with that of hypeinths, be far better

### FREESIA BULF

From careful inspection by our representative in the growing fields during the past season, we believe this "BERMUDA" stock to be the purest giant flowering

strain of White Freesia in

the world. & & & & & & &

#### WHITE GIANT FLOWERED

"Bermuda" Grown. 🚜 🗷 New Crop Now Ready.

| Per 100 | Per 1000 | MAMMOTH SIZE | \$1.25 | \$9.00 | SELECT SIZE | 1.00 | 7.00 Samples free on application.

To obtain lowest "import" prices on all Fall Bulbs orders should be placed AT ONCE.....

A Few of **OUR SPECIALTIES:** "London Market" Brand Lily of the Valley Pips, Japan Lilium Longiflorum, Litium Harrisii. Azalea Indica and Bermuda Grown Freesias.

### LILIUM HARRISII) READY

(Indispensable for Early Forcing) SOON. As Healthy as Grown on the Island ) PRICES FOW, CONSISTENT WITH QUALITY.

### Vaughan's Seed Store,

Headquarters for "Fancy" Bulb Stock, CHICAGO: NEW YORK: II BARCLAY STREET. 84-86 RANDOLPH ST.

### To Whom It May Concern:

An ambiguous notice having been circulated to the effect that my connection with the business carried on under the style and title of Miss C. H. Lippincott, of 319 Sixth Street, South, Minneapolis, Minn., had terminated, I beg to present the facts to the public as follows:

The business conducted under the above firm name was originated by the undersigned,

The business conducted under the above firm name was originated by the undersigned, who was also responsible for the capital and credit of the concern. In addition the said undersigned supplied all the advertising matter, compiled the various catalogues, made all purchases and was sole manager of above business in its entirety.

The position of C. H. Lippincott in said business was purely of a clerical character, and for family reasons and the use of her name she was given a one-half interest in the same. Some two or three months ago it was agreed between us that we dissolve partnership, but up to the present date no such dissolution has been effected, the said C. H. Lippincott refusing to accept a "give or take" proposition. From the notice to which reference has already been made it would appear that she does not wish to settle the matter amicably, but would compel the subscriber to place the business in the hands of a receiver for adjustment.

The undersigned therefore begs to notify the trade and public generally that he shall not be responsible for any contracts made by C. H. Lippincott after this date.

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S. Y. HAINES,

July 9, 4898.

21 N. 17th St., MINNEAPOLIS, MINN.

### TO THE TRADE!

WHEN closing December last my arrangements with the Joseph Breck & Sons Corporation to expire on May 31st., 1898, I organized the Brasian Seed Growers Co. to not as seiling agents for leading seed growers of the United States and Europe.

The liberal patronage extended to me while interested in that corporation I gratefully neknowledge and appreciate.

I shall in the future manage the new company as selling agents for reliable seed growers of all lines of vegetable and flower seeds. Orders will be invoiced by and shipped to you direct, from the producers. Your requirements when placed with in secures to you fresh new crop seeds at practiculty growers contract prices.

My former customers (riends in the trade and others who may expect to require seeds of THIS SEASONS CROP on a basis of close contract prices are cordinity invited to correspond with

OFFICES:

#### CHARLES P. BRASLAN,

CH'CAGO: 18 N Clark St. SAN FRANCISCO: 419-421 Sansome St. For Braslan Seed

Mail or telegrams addressed to either office will receive prompt attention.



UP-TO-DATE Florists should not be without our new 1898 Directory. Price only \$2.00. Flexible leather binding \$3.00.

#### Indianapolis.

THE MID-SUMMER MEETING OF THE INDIANA STATE FLORISTS' ASSOCIATION AT RICH-MOND, JULY 2, WAS MOST SUCCESSFUL.

The annual mid-summer meeting of the Indiana State Florists' Association was held at Richmond on July 2, and was attended by twenty-five delegates from outside the city chosen for the gathering. There were present thirteen from Indianapolis, two from Anderson, one from Kokomo, seven from Cincinnati and one from Hamilton.

The business session was short and nothing of importance was put upon the minutes. The matter of the annual chrysanthenum show was deferred to the September meeting, although it was virtually decided to hold another exhibi-

tion this fall.

A fine chair was presented to President R. Witterstactter, of the Cincinnati Florists' Club, as a mark of appreciation of his services as judge at the previous Indianapolis shows. The rest of the day was spent in visiting the factory of John Evans and the greenhouses of E. G. Hill & Co. The visitors were well entertained.



Kentia Belmoreana and Forsteriana will arrive in a few weeks.

J. L. SCHILLER 404 EAST 34th STREET, NEW YORK CITY.

1 plant 4-in. pot 15-18 inches high, 40c 1 plant 5-in. pot 24 inches high,

JOSEPH HEACOCK, WYNCOTE,

Philadelphia, Pa.

<del></del>

Asparagus Sprengeri 50 000 Plants in 24-inch pots, \$5 00 per 100. express: 24 for \$1.50 by mail. Specimens for 8-in. pots, \$6 00 per 12.

A. BLANG & CO., Philadelphia

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### **Rose Hill Nurseries**

LARGEST Growers of Palms, Orchids Stove and Greenhouse plants, Ferns, Arancarias, Pandanus.....

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

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THE FINEST STOCK IN THE WORLD

Palms

SANDER, BRUGES, BELGIUM.

Bay Trees

AGENT:

Araucarias 60 Vesey St., NEW YORK.

Mention the American Florist when corresponding with an advertiser.

### 13,500

ID you know that there were so many Florists, Nurserymen and Seedsmen in North America? Would your business profit were you to know them? The American Florist Company's Directory for 1898 will tell you each one's name, his address, his particular branch of the trade and the extent of his business. Price, postpaid, \$2.00. flexible leather binding, \$3.00.

### American Florist Company

324 DEARBORN STREET.

CHICAGO, ILL., U. S. A.

### Good Stock! Low Prices!

CANNAS Strong plants of Alphonse Bondale, Paul Marquant, Win. Elliott Bisson, Sec. Stewart, Flamboyant, \$4.00 per 100; \$35.00 per 1000.

COLEUS Crimson Verschaffeltii, Golden Queen and Golden Bedder, \$2.00 per 100; \$18.00 per 1000.

per 100; \$18.00 per 1000.

Geraniums Double Gen. Grant and S. A. Nutt. 2½-inch pots. \$3.00 per 100; \$28.00 per 1000; extra good, 4-inch pots. \$7.00 per 100; \$65.00 per 1000.

Cobæa Scandens, 4-inch pots......\$6.00 per 100.

#### JOHN SCOTT,

KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

Mention American Florist.

JUST ARRIVED IN FINE SHAPE: aleya Warnerii, Lalia Perrinii, Laphronites Grandillora and Coccinea, Miltonia Spectabilis and many more.

LAGER & HURRELL, - Summit, N. J.

# Asparagus Sprengerii SEEDLINGS ALL SOLD. Fine Plants, \$8.00 per 100. Sample by mail 10 cents. American Rose Co., Washington, D. C.

RICHMOND, INDIANA.

Cycas Revoluta Stems

Popular sizes, 3 to 6 lbs each......10 cts. per lb.

For Florists' Forcing.

White, shaded with beautiful rose pink. Best selling Tulip in the market last season. Bulbs ready in September. & Write for prices.

INTRODUCED BY

### **V**aughan's Seed Store

HEADOUARTERS FOR "FANCY" BULB STOCK.

84-86 Randolph St.

**NEW YORK:** 14 Barclay Street.



Everybody is more pleased if you say saw your ad, in the American Florist"

#### Louisville.

KENTUCKY FLORISTS HAVE FOUND PROS-PERITY .- OPTIMISTIC VIEWS FROM THE BLUE GRASS REGION. - MUCH BUILDING IN SIGHT.-A GOOD SPRING PRESAGES AN EVEN BETTER WINTER.

The "hard times" song with its dispirited accompaniments is no longer sung in Kentucky. Instead you hear the buzz of the saw and the clang of the hammer, sounds indicative of a general revival of activity among the florists. I say "general" because there is scarcely a florist in the city but is making some improve-ments about his store or greenhouses. Jacob Schultz, the dean of the florists, has in course of erection two additional houses, one intended for miscellaneous stock will cover 32x152, and the other one, for violets, 12x140. It is needless to add that the houses are being built in the best possible way and will prove a creditable addition to his already extensive plant. Mr Schultz reports an unusually good spring trade and it is his opinion that the coming season will keep us all hustling. Mr. Schultz, by the by, is one of the staunchest conservatives in the trade.

J. E. Marret does things well while about them. Five additional houses are now being pushed to completion. The best up-to-date methods are being employed and when completed Mr. Marret's establishment will be one of the finest of the kind in the south.

Geo. Schultz, the Goss avenue florist, will soon commence building an additional house of 20x104. As usual, George's place is a model of neatness, everything about his establishment looking spick and span, and his stock being in the best of condition.

Joseph Coenen & Co. are building three additional houses for roses and carnations. A fall from a roof has kept Mr. Coenen's partner confined to his bed for the past six weeks. It is the more unfortunate because Mr. Coenen himself has barely recovered from a similar mishap.

Chas. W. Reimers, of palm and American Beauty fame, will this summer enlarge his already extensive place by one more house. Mr. Reimers has no kick coming, his trade being on the increase while the outlook, in his opinion, is decidedly encouraging. Florist Kunzman will add one more house to his plant and has recently opened a flower store at 806 West Jefferson street.

There is something inviting about the establishment of Wm. Mann, the calla lily king. There is no chaotic, topsy-turvy state of affairs here; busy or not busy, neatness and order obtain everywhere. Mr. Mann is a very successful, all around grower, and his flowers never go a begging.

E. G. Reimers, if the runtor be true, was born under a lucky star. While many are complaining about palm seed being a failure this year, his came up in fine shape and his houses are literally packed with thrifty looking seedlings. Business has been time with him all along the line.

S | Thompson and his staff of able assistants were kept quite busy on funeral work during the past week. Mr. Thompson's flower store keeps pace with the times, that is, it has been equipped with all the modern improvements such as a tine show window, incandescent lights, and a commodious ice-box. Business, says I red Haupt, has been unusually brisk with him all along Accompanied by Mrs. Haupt and little daughter, he will shortly leave for a month's sojourn in a Michigan summer resort.

Howo.

### YOUNG

### ROSES

**PLANTS** 

|            | From 212-inch Pots.                     | Per 100 | Per 1000 |
|------------|-----------------------------------------|---------|----------|
| AMERICAN B | EAUTIES                                 | \$4.00  | \$35.00  |
| BRIDES     | • • • • • • • • • • • • • • • • • • • • | 2.50    | 20.00    |
| METEOR     |                                         | 2.50    | 20.00    |
|            |                                         |         |          |

TERMS CASH WITH ORDER.

#### J. A. BUDLONG, 37-39 Randolph Street, CHICAGO CHICAGO. ILL.

### ROSE PLANTS

#### AS GOOD AS CAN BE GROWN

We have the following Rose Plants, the same stock as we have planted in our own houses, still on hand and for sale. We guarantee them to be first-class in every respect.....

| 3000 | Am. Beauties | 21 -in. pots | <b>\$5.00</b> |
|------|--------------|--------------|---------------|
| 2000 | Bridesmaids  | 21/2         | 2.50          |
|      | Meteors      |              |               |
| 500  | Brides       | 21/2 "       | 2.50          |

FIRST COME-FIRST SERVED.

#### BASSETT & WASHBURN, Hinsdale, III.

AM. BEAUTY

Extra strong, clean and healthy plants from 3 in pots at \$7 ample malled on reclash with order.

165 Mackinaw St. per 100: \$65 per 1000.
Sample malled on receipt of 10c in stamps.

Extra strong, clean and healthy plants from 3 in pots at \$7 celept of 10c in stamps.

Cash with order. John B. Goetz 2165 Mackinaw St., Saginaw, W. S., Mich.

JOHN B. UOCTZ 2105 Mackinaw St., Saginaw, W. S., Mich.

### ROSES!

Brides, Maids, Kaiserin and Meleor from 2-iuch, 3.00 per 100; \$25.00 per 1000. Brides and Meteor, from 3-inch, \$5.00 per 100; 5.00 per 1000. 50 nt 100, and 500 at 1000 rates. Cash with order.

ROBERT F. TESSON, prest Park, - St. Lou West Forest Park,

### 

AM. BEAUTY, BRIDE, BRIDESMAID, PERLE, LA FRANCE, TESTOUT, MORGAN, NIPHE-TOS, KAISERIN, 3 and 4-INCH.

Asparagus Plumosus, All Sizes.

Marie Louise Violets Well Rooted....

A. S. MacBEAN, Lakewood, New Jersey. 

### CHOICE 3-INCH

Fine \*tock, which will make you miney. Write at once. METEORS, and Also some extra nice 3-inch some good BEAUTIES and BRIDES.
Samples on receipt of 25 cents in stamps

W. H. GULLETT & SONS, Lincoln, III.

#### AMERICAN BEAUTY

Fine young plants, healthy and strong  $-2^4\pi$ -inch pois,  $\frac{3}{8}.00$  per  $100-\frac{2}{5}70.00$  per 1000.

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, lth order PHILADELPHIA, PA both with order Money Order Office, Station II, Phila

### ROSES.

2-in. per 100 3-in. per 100 \$5.00

Am. Beauties . . Perle . . . . . . \$2.75 4.50 Bridesmaid ... 2.75

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

### Memorial Kose

(Rosa Wichuraiana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON. MORRISVILLE, Bucks Co., PA.

### BEAUTIES,

3-inch, \$7 per 100.

MAIDS, BRIDES, PERLES AND METEORS \* \* \*

4-inch, \$8 00 per 100. 3-inch, \$6,00 per 100.

POEHLMANN BROS. Morton Grove, Cook Co., III.

### FINE ROSE STOCK

FOR PLANTING, Out of 3-inch pots. METEORS, VICTORIA KAISERIN, MAIOS, BRIDES, BELLE SIEBRECHT, PERLES A'D BEAUTIES. Write for prices. Send 50c, or \$1.00 for sample lot of what you want to

GEO. A. KUHL, PEKIN, ILL.

### Unrysanthemums!

New and standard varieties. Extra fine plants from 2-inch pots. Send for price list—Discount on birge orders. . . . , ....ADDICESS...

H. WEBER & SONS, Oakland, Md.

You can do more than Pay Your Rent by Advertising your Surplus Stock in The American Florist.

# American Beauty, Carnot, and Testout from 4-inch pots, in extra fine shape @ \$15.00 per 100. Bridesmaid, extra fine, 3-inch pots @ \$15 per 100. \$125.00 per 1000. Also the following varieties, not grafted, per 100; \$80.00 per 1000. Bridesmaid, President Carnot, Kaiserin, Meteor, La France, Perle, Mrs. P. Morgan, Wootton: These are extra large plants in perfect condition from 3-inch pots @ \$8.00 per 100. If you want a large lot, write us for special price and samples. Asparagus Plumosa From 2-inch pots, \$5.00 per 100. If you want a large lot, write us for special price and samples. Asparagus Plumosa Strong 2-inch plants @ \$6 per 100. \$50 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per 100. \$15 per 1000. Strong 4-inch plants @ \$15 per

FIRST-CLASS, CLEAN. HEALTHY STOCK

| we claim GOOD      | VALUE        | at these                | prices.                               | Send     |
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|                    | for sar      | nples.                  |                                       |          |
|                    | 244-1n.      | per 100                 | 3!4-in. 1                             | er 100   |
| American Beaut;    |              |                         |                                       |          |
| Souv, de Wootto    | n            | 5.00                    |                                       | 10.00    |
| Papa Gontier       |              |                         |                                       |          |
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| La France          |              |                         |                                       |          |
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| Kaiserin A. Vic    |              |                         |                                       |          |
| Naiserin A. Vie    | toria        | 4.00                    |                                       |          |
| Perle des Jardin   | S            | 3,50                    | • • • • • • • • •                     |          |
| Brides             | <i>.</i>     | 3.00                    |                                       |          |
| Bridesmaids        |              | 3.00                    |                                       |          |
| Meteors            | . <b></b>    | 3.00                    |                                       |          |
| Clothilde Souper   | t            | 3.00                    |                                       |          |
| Mosella            |              | 3.00                    |                                       | . 8.00   |
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#### Pittsburg.

PROBABILITIES OF A LARGE PARTY FOR THE TRIP TO OMAHA. BUILDING INDI-CATES PROSPERITY .- J. F. GIBBS SELLS HIS FIFTH AVENUE ESTABLISHMENT.-MRS. KLOPFER'S NEW STORE, -SMOKY CITY NOTES.

There is no change for the better in trade to report. For the past week everything has been quiet, and the only demand has been for funeral work, and that not to excess.

A few of the florists are endeavoring to work up interest in the S. A. F. convention and are busy trying to secure a lower rate of railroad fare to Omaha, also trying to have the florists in western Pennsylvania go with the Pittsburg elub, and

are meeting with fair success.

Gustave Ludwig has received a letter from Messrs. W. T. and F. P. Butz, New Castle, Pa., stating they will be too busy to attend the convention, as they will be putting up two new rose houses, each 20x125, and this with their other repairs will prevent their leaving home. M. I. O'Brien, Sharon, Pa., also informs Mr. Ludwig that he will have to forego the pleasure of being with the Pittsburg contingent at Omaha, as he will put up over 5,000 feet of glass this season, and must be at home when the houses are being erected.

L. F. Gibbs, of Woodville, has disposed his Fifth avenue establishment to E. Poland, and will hereafter give his personal attention to his extensive plant at Woodville. Mr. Poland has been for the past nine years in charge of the greenhouses at Morganza, the State Reformatory of western Pennsylvania, and is thoroughly equipped to make a success with his new venture. It is not definitely settled yet whether Mr. James Dell, who has been with Mr. Gibbs at Fifth avenue, will continue with Mr. Poland or not, but the probabilities are that he will do so.

Mrs. S. Klopfer has recently opened a cut flower store at 220 Ohio street, Allegheny City, under the firm name of The American Florist and Decorator. This is the first flower store started in that part of Allegheny, and Mrs. Klopfer believes, judging by the business already secured, that she will succeed in working up a good, healthy trade.
Lincoln 1, Neff has returned from an

eastern business and pleasure trip, and says he is now ready for all the business he can get. The trip evidently agreed

with him.

O. A. C. Oemhler, formerly of Pitts-burg, but now with Mr. Gasser, of Cleveland, with his family, spent the Fourth with his relatives here, returning on Tues day morning. Mr. Demhler is very well pleased with Cleveland and the business Rega.

### Dutch Bulbs

HYACINTHS. TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO.,

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| Blue, clear sky-blue50          | 1.70          |
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| Mixed. 18-02., \$3.00           | 1,00          |
| Double Mixed                    | ds, $50c$     |

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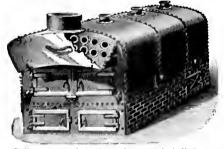
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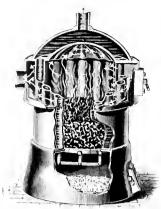


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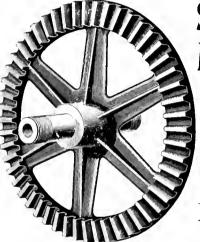
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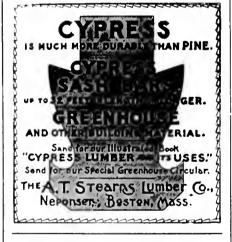
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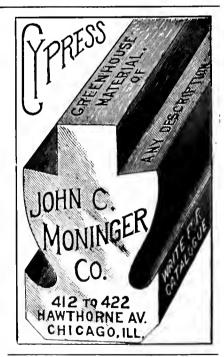


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The terrific wind storm of July 4 brought sadness to Exeter in the news of the death of Hilding Karlson, of the firm of Hilliard & Karlson. Mr. Karlson was in the pavilion at Hampton Beach, where an entertainment was in progress. The building was demolished in the hurricane, and in the rnins Mr. Karlson was found dying. The funeral took place on Thursday at the Unitarian Church under the direction of the Masonic lodge. Mr. Karlson came here in May, 1896, having had a previous experience in the rose conservatories of E. M. Wood & Co. at Natick, Mass., and Bassett & Washburn at Chicago. He was an expert in the growing of American Beauty roses, and man finer Beauties and Mateers want to no finer Beauties and Meteors went to the Boston market than those he produced. He made many friends in Exeter during his two years' sojourn with us. He was a native of Sweden, where his father, mother, two sisters and a brother So far as known he had no relareside. tives in this country. He joined the S. A. F. last year at the Providence convention.

Marion, Mass.—Benj. Durfee, of Washington, D. C., is spending a few days here, recuperating.



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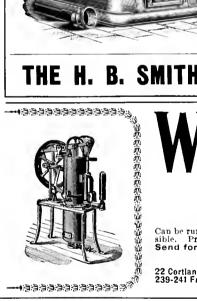
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| Cincinnati Cut Fl. w. Co. Cincas & Boddington Conard & Jones Co. Conley John & Son. Cottage Gardens. Crabb & Hunter Craig Robit & Son. Cunningham J H. Danley S T. Detroit Flo w Pot Mighletsch. A & Co. Dillon J 1. Dorner Fred & Sons Co.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1469           | Prince A G & Co 1-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 41          |
| Detroit Fig w Pot Mig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1471           | Quaker City Moh Wkel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 47          |
| Dletsch A & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1471           | Randall Coo H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 417         |
| DornerFred & Sons Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14629          | Raynor J L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 41          |
| Dreer H A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1463           | Reed Glass & Paint Col-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 47          |
| Eillott W H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1461           | Regan Printing Housel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 17          |
| Ellis & Pollworth 1459                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1470           | Rice M & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11          |
| Ernest W ti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1411           | Ricksecker C H 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15          |
| Labatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1470           | Rider, Ericsson Col-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 47          |
| Faxon M B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1469           | Roemer Fred1-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 机           |
| Domer Fred a sons Colorect I A Elliott W H Entre I W H Entre I W H Elliott W H Elliott S H | 1400           | Moon Name C 143.  Moon Wm H Co.  Morris Florai Co.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17          |
| Galvin & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1461           | Rupp Jno F 1468 1468 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 46          |
| Gardeners' Chronicle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1470           | Sander & Co 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$11        |
| Gibbons H. W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1474           | Schiller J L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 41)         |
| Chota Inc. B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14:4           | Scott Ino                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9 L<br>14 i |
| Gorton & Llogerwood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1471           | Sheridan W F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$15        |
| Gorton & Lingerwood<br>Grossman C M.<br>Guilett W H & Sons.<br>Gurney Heater to<br>Hagenburger Carl<br>Hall Ass n<br>Halmond denj<br>Hannord denj                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14423          | Slebrecht & Son l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$15        |
| Gnilett W H & Sons.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1466           | Situations & Wants. Is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u></u>     |
| Hagenburger Carl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1465           | Smith The H B Co 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 47          |
| Hail Ass n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1459           | mitti Nati. & So1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 411         |
| Haines S Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1464           | Smith W.C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11          |
| Hammond den)<br>Hancock Geo & Sons .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.6(2)         | Stearns Lumber to 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 47          |
| Hart M A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | [46]           | Steffens Emil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,)         |
| Hartford II E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1459           | St Louis Cut FlowerColl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hi          |
| Heacock Jus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1460           | Struck J N & Bro 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1           |
| Herr Albert M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14121<br>14121 | Swanna Sona J G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 47          |
| Hildniger Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1471           | Stearns Lomber (O. 11) Steffens Emil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 41          |
| HIM E G & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1465           | Traendly & Schence 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11          |
| Hippard E Hum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1472           | Van Zanten Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 17)         |
| Hoffman E.M.S. H. N.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14629          | 1461 1165 1467 1468 1469 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 47          |
| Hoston & Hunke, Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 14890          | Vaughan, McKeilar &                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |
| Horset if M Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1471           | Winterson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$15        |
| Most Adv                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1459<br>1459   | Wahash R R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 17          |
| Hunt E ii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 460            | Watson G C 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 415         |
| Illinois Cut Flower Col                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1460           | Weber H & Son                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 416         |
| Jackson & Perkins Col                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1163           | Weeber & Don                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 101         |
| Hammond den) Hancock Geo & Sone Hart M A Hartford H E Heacock Jon. He endeen Mfg Co Herr Albert M Hillinger Bros. Hill E G & Co Hippard E Higher Bros. Hill E G & Co Hippard E Hoston A Hone. Hotom Hone. Hone. Hotom Hone. Hoto | 1472           | Had 105 107 108 100 1 Vaughan, McKellar & Winterson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | í;          |
| Keller Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1471           | Whilldin Pot co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 17          |
| Keller Geo & Sons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1471           | Widthall C B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11          |
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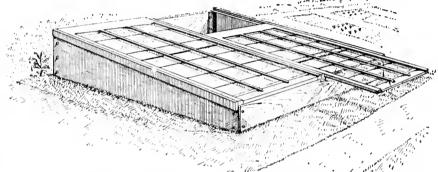
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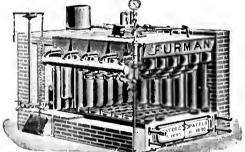
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ALBANY, N. Y.—Washington Park is making a beautiful display of agaves, of which there are, says Head-gardener Saunders, thirty-two varieties in the park. The finest specimen is Agave ferox.

### American Seed Growing. SELECTION OF PLANTS FOR SEED BREEDING.

Every living organism has a character distinct in a greater or less degree from that of every other. This individuality is the outcome and expression of the balanced sum of the influences it has inherited from its ancestors, plus that of its environment, but in different individuals the influence of a common ancestor is not necessarily of the same numerical value in the making up of the sum of influence; it is rather as if the influence of each ancestor was represented by a digit and the sum of influence was expressed by these digits written in an order which

varied in each case, the individual charac-

ter depending upon the relative potency

of the influences which go to make it up.

Of a lot of pigs or puppies born of the same parents and in the same litter one may be like the father, one like the mother another like some ancestor several generations back, and still another be a curious blending of the characteristics of the other three; again two of them may be so alike in appearance that they cannot easily be distinguished, but while all the prog-eny of one may be like itself, those of the other may bear little resemblance to their sire or to each other. This same law, or seeming lack of law, in hereditary influence which is so easily seen in animals exists just as truly in plants, though it is not so easily traced. Of eight peasfrom the same pod four may produce plants practically identical with the one on which the seed grew, while each of the others produce plants very unlike those from the first four, or each other, and of these all the seed of one may give plants like itself while that from the others produce plants of endless variety of form and color.

This varying degree of power which every living organism has to impress its characteristics on one or all of its descendents is correlated with life itself and is a part of its mystery; we do not understand it, nor the laws which govern it, we may never be able to, but we can and should recognize the fact of its existance and use it to our advantage. ability to reproduce itself is a quality which we cannot discern by our senses even if we bring to their aid the most powerful of microscopes or the most delicate chemical tests, it is just as much a characteristic as is color or form and is of the utmost importance in securing uniformity of product.

That prepotency can be fixed so as to become a characteristic of a strain of seed is certain. How it can be done may be best shown by an illustration. In the case of the successful breeding of a certain variety of corn which was referred to in a

previous article the seed breeder went into the field with a carefully prepared description of just what in every particular an ideal plant of the variety should be and how much variation from that ideal would be permissible in a breeding plant. He selected the ten plants which came the nearest to his description, and the seed of each was saved and the next spring planted separately, but in contiguous blocks. In the fall each lot was carefully examined plant by plant to ascertain in which one of them the largest proportion of the plants were within the prescribed limit of variation and from that lot the breeding plants for the next year were selected and this selection of breeders from the lot which furnished the most uniformly good product was continued from year to year. Generally, he could make a selection of better plants from all the blocks than could be found in the chosen one, and often a better ten could be found in a block where a smaller proportion of the plants were of the desired type, but the breeding was rigidly held to the line which showed by its uniformity that it had the greatest prepotency and in this way a wonderfully uniform stock was developed.

In the fourth or fifth year of this selection one lot showed a very remarkable ability to resist drought. The plants were fairly true to type and this new quality was so desirable that the seed breeder was tempted to save his breeders from that lot but resisted it and saved them according to rule, but he also saved the ten best plants from the new departure and planted the seed in a lot by itself. The result was that only a very few of the plants showed the drought resisting quality so noticeable the year before and all of the ten blocks varied more and had a smaller proportion of plants true to type then had any single lot since the first year. Had he yielded to the temptation to improve his type and taken his breeding stock from this lot he would have lost the good of four years selection. less by selecting the best plants from the lot which furnished the most drought resisting plants and continuing such selections for several years a new and valuable variety might have been established but, as we have said, the most important work of the seed breeder is the development of a stock which will come true to type rather than the production of a new sort, no matter how desirable, of which only a small proportion will come true. A long experience in seed growing convinces me that the formation of a clear and well defined idea of just what a plant of any variety should be, a rigid adherence to just that type in selection, and breeding only from those plants which

show a strong tendency to reproduce themselves is the only way to produce seed of the greatest value.

WILL W. TRACY.

#### INTERIORITY OF TYPE.

Mr. Tracy's articles on seed growing and plant breeding are extremely interesting, pointed and valuable. Personally I know very little about seed growing, and my observations on plant breeding are mostly from the work of other men. But the man who grows plants of any kind and pays close attention to the way in which they develop is bound to draw some rather positive, and, I believe, fairly accurate conclusions as to how they are bred.

Now there are two things for which the seed grower and plant breeder may strive-new forms and purity of old forms. In other words he may originate new varieties, or he may fix them after they are originated. I say he may fix them, for unfortunately he does not often do that. While there is a very laudable and effective activity in this country in the production of new varieties, there seems to be an unfortunate insufficiency of effort in fixing good types, especially the more highly bred and persistently variable forms. It thus occurs that while we have an abundance of new varieties which, when true to type, are very satisfactory and very creditable to the originators, a very large number of them are so variable and unstable that they can not be depended on, especially when they fall into unskillful hands or receive indifferent cultivation. They do not hold to their tancy characters, but break up and revert to several very inferior types.

To be sure there is in this no moral misdemeanor on the part of the seed grower. It is merely a question of business. The seed buyers seem willing to pay a great deal more for new varieties than for well fixed varieties, and as the former require less work in their production, no one can blame the plant breeder for working merely for new types. But seed buyers make a very serious mistake in taking this attitude. Take muskmelons for example. A grower is much better off to grow a well fixed strain of Hackensack or Jenny Lind than to spend his time on some much fancier variety which, however, shows only fifty to sixty per cent of the highly bred type, with forty to fifty per cent of mediocre, ur-uniform reversions. The same thing is true of sweet peas, asters, zinnias and all flowering plants where the production of new varieties has come to be a commercial object. The grower will always get more satisfaction out of a good variety which runs uniformly true to type than he will out of fancier but unfixed varie

The fact is the seed buying public in America has not yet de ided to pay the price for seeds true to type. Even after they shall have progressed so far it will be necessary still to determine what are proper types of standard old and new varieties, and then to by these types by years of careful selection as described by Mr. Tracy - Here is an example of preont conditions we have been growing this year the variety of Lobb's mastrictium known as Asa Gray. We have a from two leading American seed our. One describes it as "pide sulphur veltoes very delicate, the other as "crea white, blotched suphur marroon." He are expressed two widely different ide ed what Valories maximizing oughers. he that the plants dossemed has

lots were equally mixed with five or six separate forms, some cream white, others showing a distinct tinge of buttercup yellow, others blotched with a very light searlet, etc. I have no doubt that the cream white is the proper type for Asa Gray, but not more than one-fourth of our plants show that color, and one of the seed dealers did not even think that to be the type.

What I started out to say more briefly is just this: It seems to me that we could better spend a greater proportion of effort in fixing the varieties which we now have, and give a little less to the production of new ones.

F. A. Waugit. Burlington, Vt.

FIXING VARIETIES.
The papers on "Seed Growing in America" by Prof. Tracy, of Detroit, have given me much pleasure and profit in the reading. I am unable to speak from personal experience upon the vegetable side of the subject, although I have had some opportunity of looking into the methods employed in the seed pea growing territory of Canada. Herethetrade amounted to nearly \$200,000 annually till the Me-Kinley tariff shut off the American market to a large extent. A number of new varieties of peas have originated in this locality and there are a few in process of development, in other words, being

It seems to me that one of the weak points in connection with variety making in vegetables is that the variety is placed on the market before the type is fixed, in the hurry of the producer to get to the front. This defect in American seed growing is no doubt also due, as pointed out by Prof. Tracy, to the lack of a clear conception of the ideal type. In some of the newer varieties of beets and cabbages it is not difficult to select half a dozen types from a row thirty feet long. The process of selection has not been carried on long enough and too little regard has been paid to the characteristics of the ideal. As a rule the seed grower depends upon sports or variants for his working stock. In selecting after this method the mental picture—as it very often is—may change slightly from year to year; and there is less chance for wide comparison at the beginning, than there is if crossed seeds are sown. In the case of spring wheat I have watched the behavior of a number of crosses between Ladoga and Red Fife, the former an early Russian variety, and have seen a fixed type intermediate in time of ripening produced in eight years by rigid selection. When a bearded wheat was used as the female and a beardless variety as the male, the larger proportion of the first progeny were bearded, thus following the older and more stable type. In the second sowings, as might be expected, both types sport freely, and the



VASE OF IRIS KAMPFERI



IRIS KÆMPFERI AT DREER'S NURSERY, RIVERTON, N. J.

work of fixation is in consequence comparatively slow.

As Prof. Tracy says, in substance, the more difference in the parents the greater the number of types will be produced in the progeny and the slower will be the work of selection. For this reason proportionately fewer beneficial results have flowed from violent crosses than have attended experiments carried on within narrower confines. It is true that in fruits the California wizard, Burbank, has obtained wonderful results from hybridization; but this is probably due to the marvellously extended range of his operations.

operations.
Ithaca, N. Y. JOHN CRAIG.

#### Codonopsis Clematidea.

It is surprising that this deserving plant has not found its way long ago into collections of hardy plants. It is very rarely mentioned in catalogues and little has ever been said about its unquestionable value as a border plant. Like the Walilenbergias, it has a thick, fleshy root, from which the eyes start out in the spring. Young plants do not grow very strong for a year or two; they remain dwarfand decumbent, though they bloom persistently even when small; but when once well established the growth is much more robust, the stems being able to support themselves in a more upright position, and more of them are produced from each root. The leaves are very neat, oval oblong, of a glaucous green, about an inch long and rather closely arranged along the stem. The flowers are produced on the tips of the many slender axillary branches for a long time in midsummer, and resemble those of an ordinary drooping campanula; they are about an inch long and measure about the same across the open part. The color is white, slightly tinged with pale blue, and the bells have a distinct, well defined, star-shaped black-ish purple blotch on the inner side at the base of the stout pistil. Along the stronger growth of the older plants, two feet or over in height, the side branches are produced freely, almost at every joint from the ground up to the very tip, and each branch or branchlet is adorned with the dainty bells, which, on their slender support, keep in a constant motion in the slightest breeze. Division is the best way to increase the stock, but seed sowing may be resorted to if it is obtainable, though it takes a number of years for the seedlings to develop into strong speci-mens, while division usually gives quicker and more satisfactory results. As to the hardiness of the plant, I may say that we never lost one from the effects of frost. Even in snowless winters, with some of the carelessly planted crowns fully exposed to the action of the weather, we could not notice the slightest injury, but it would not hurt them to receive a liberal covering of manure every winter, this material to be forked in between the plants when spring arrives. It delights in rich soil and the growth is stronger there, though we have no trouble and can make it live and flourish even in dry ground by merely taking the precaution to plant a little deeper. An irregular patch in the border, planted among early flowering bulbs, makes quite an acceptable display in summer, and the plants hide the yellow or decaying foliage of their companions effectively, without interfering with the spring show, for they start rather late.

J. B. Keller.

#### The Japanese Iris.

These beautiful flowers are now attracting considerable attention and will undoubtedly be largely planted for outdoor decoration. While not new the beauties of the Kæmpferi types are not known as their very showy and exquisitely lovely blossoms demand they should be. They seem to require no special culture, growing and flowering profusely along with other lawn and garden plants. For cut flower decorations they are very effective tor a short time, but their period of usefulness closes with the day as the individual blossom lasts only till sundown. K.

#### Chrysanthemum Notes.

One of the most important things in caring for the chrysanthemum at this season is to keep them free of black aphis and greenfly. The hot weather we are having now making it impossible to fumigate, we have to resort to spraying with tobaccoextract which we find, when used with a little judgment and more as a preventive than as a cure, to do the work well. We use about a wine glass full of the extract in an ordinary bucket

full of warm water, allowing it to stand for a few hours before applying with a sprayer late in the afternoon after the

sun has left the glass.

Some varieties are more difficult than others to rid of insects and once the pests get a good foothold it is a hard matter to dislodge them. We have found Major Bonnaffon to be particularly subto greenfly, which seems to thrive well on the young, curly foliage, the formation being such that the insects are sometimes not noticed unless the plants are examined closely. Grasshoppers are beginning to get troublesome and the only thing to do is to catch and kill them the same as with catterpillars which, if not looked after, will spoil the foliage of a plant in very little time.

Specimen plants should be given every encouragement to keep them growing healthfully. Ample syringing two or three times a day is what they delight in, and see that they never want for water. It is time to stop pinching back specimens

of the late varieties or they will not be ready for show time. Early varieties can go one or two weeks longer.

Now that the specimens are in their flowering pots they should have a few stakes to spread upon and to protect the branches. Young stock intended for single stemmed pot plants should be removed from the sand as soon as rooted and shaded for a few days, after which they should be placed as near the glass as is practicable, as they need all the light possible and plenty of ventilation. They should be shifted as quickly as they require it so as to give them ample time to become well rooted in their flowering pots before the time comes for them to set their buds. This will enable them to stand feeding better and hence give more pleasing results. C. W. Johnson.

the most useful sorts for spring and win-

Begonia Gloire de Sceaux. The begonia herewith figured is one of

REGONIA CHOIRE DE BOEAUX

ter flowering. The stems are stout, erect and from one to three feet high, with leaves dark green, tinged reddish beneath and from six to eight inches in width. Flowers pale pink and one and a half inches broad.

Plants two years old are best for decorative purposes, as they then send out numerous flowering shoots from such portions of the previous year's stems as have been retained. Older plants are not reliable. In propagating I prefer to take the cuttings in spring, if they are obtainable. These will make nice specimens the following spring. Usually, however, it is impossible to procure good material for cuttings until the old plants are cut down later in the year, and when started so late they seldom make fully developed specimens before the second year.

For this and most other winter-flowering begonias I use a rather coarse compost made up of good loam, leaf mold, cow manure and sand, two parts loam to one part each of the other constituents, with the addition of a small quantity of charcoal. Good drainage is very necessary, and during the winter months the plants should be kept in a temperature of 60. Robert Shore.

#### Carnations.

A drought extending over something like eight weeks gives us an opportunity to learn a few lessons from the field. The first of these is to plant the carnations early enough in the spring to get the benefit of the spring rains in starting. Carnations planted in this section during April and the early part of May are now April and the early part of May are now fairly good sized plants and give promise of making fine stock by fall. Of the stock planted after May 10, tully one-half is now dead and the other half in such shape that even with the best sort of a season from now on they can not make plants such as a good grower should have for his houses by September 1. Another thing brought home with a

good deal of force by a protracted drought is the advantage derived from having the plants free from insects when they are transferred to the field. There is nothing like a prolonged period of dry weather for the increase of all sorts of insect pests, and the plants have a hard enough struggle against the drought without having to battle for life with all manner of vermin. And yet the dry spell has its redeeming feature in the elimination of rust and spot where the plants are affected. It even seems to almost eradicate bacteria, but not so completely as the other two diseases. Rust is practically destroyed by dry, hot weather; between the sun, wind and the radiation of heat from the surface of the ground, it quietly takes its departure. Just why this should be so remains unsolved, as under practically the same conditions inside the houses, and at the time it is leaving the plants outside, this disease spreads on the indoor stock. That it does leave the plants in the field is not the supposition of a season but an actual fact of three years' careful observation,

Perhaps the most notable lesson to be learned from the field is the difference between cuttings grown under different conditions before planting them out. A cutting taken from a plant that has been forced to its utmost limit to produce fine flowers-this forcing consisting of an increase of temperature or the applica-tion of all the manure the plant can stand, either dry or liquid—will, during a drought, throw out curled and deformed shoots, the lower leaves of which turn



CENTURY CLUB PALM GARDEN, CLEVELAND, O. DECORATIONS BY ELLA GRANT WILSON

vellow and eventually drop off, giving the plant a miserable appearance, as well as seriously affecting its product of bloom the following winter. A cutting propagated from a plant that is just right for a parent in all particulars and planted in soil too heavily fertilized, so as to present a fine appearance when sold, will go the same way if it strikes a drought during the summer. The cutting taken from a plant grown in a rather cool temperature and in soil only moderately rich, and after it is rooted allowed to grow with-out any undue forcing, either by heat or extra manure, is the cutting that will stand the drought and bein shape to give you results next winter. Its growth will be clean and healthy from root to tip, and when the rain does come it is ready to go ahead without having a lot of diseased and crippled parts to doctor up.

There is only one conclusion to be derived from this, viz., that the growing of cuttings and the growing of fine flowers are two separate and distinct branches of earnation culture. One may get along by trying to do both, but when separated, the result will be found in greater prog-ress, and the day is not far distant when the successful grower would as soon think of taking cuttings from his flowering stock as from a plant filled with rust, bacteria and spot. Other lessons can be learned from the field if we use our eyes and judgment. If we do not love our carnations well enough to watch them in the summer as well as in the winter, we do not deserve success, and the sooner we get into some other business the better it will be for ourselves and the earna-ALBERT M. HERK. tion.

#### For Dinners and Weddings.

The accompanying illustrations show the decorative abilities of Ella Grant Wilson, "Floral Artist," of Cleveland, Ohio. The Century Club is Cleveland's leading social organization and the Palm Garden, or dining room, is upon the fif-teenth floor of a business block, commanding a magnificent view of Lake The large room is so divided by arches heavily draped, as shown in the picture, that a number of sequestered nooks are the result. The arches are all covered with prepared ground pine, which will retain its color and shape for an entire season. In a number of places where it was impracticable to employ living plants prepared palms were used, but in all the numerous vases are fine

genuine specimens of latanias; dracenas. arecas and Cycas revoluta, two very large vases containing excellent variegated century plants. Several of the semi-private corners are made destinctive by decorations of a particular flower. Crimson Ramblers being employed in one. nasturtiums in another, and so on.

An octagonal bay window formed the base of operations for the wedding decoration shown in the second illustration. The ceiling is heavily festooned with asparagus with a back-ground of fluted asparagus with a back-ground of nuted pink cheese cloth. Standards in each corner, draped with white satin, support flat baskets of Bride roses and asparagus grown on trellises, palms and ferns fill in the base. The mantle is also decorated with the same plants and in the center of the bay swings the inevitable wedding bell, except that in this instance it is a chime of three bells of white roses entwined with a garland of Brides and a lover's knot of white ribbon. A shower wreath is pendant from the chandelier. This excellent decoration, and it was of equal luxuriance in the dining room, was merely for the wedding reception, the church decorations having been even more elaborate. A bank of tall palms and tree ferns filled the entire pulpit platform to a height of nearly twenty feet and four arches of white roses and smilax formed the bower in which the ceremony was performed.

#### Society of American Florists. PRELIMINARY PROGRAMME,

The fourteenth annual meeting and exhibition of requisites for, and products of, the greenhouse and garden will be held at the First Congregational church, corner Nineteenth and Davenport streets, Omaha, Neb., August 16, 17, 18 and 19, 1898. The following is the programme: FIRST DAY-OPENING SESSION, 10:30 A. M.

Address of Welcome.

Response.



WEDDING DECORATION BY ELLA GRANT WILSON, CLEVELAND, O.

President Gude's address.

Reports - Secretary, Treasurer, State Vice-Presidents, Standing Committees, Special Committees.

Appointment of Exhibition Judges.

Miscellaneous business.

On the afternoon of the first day the Judges will examine, and prepare their reports upon the trade exhibition.

#### FIRST DAY-EVENING.

President's Reception, in the church parlors.

SECOND DAY, MORNING SESSION, 10 o'CLOCK.

Reports of Exhibition Judges.

Action on proposed amendment to by-laws:

Action on recommendations of Executive Committee to establish permanent departments of Credit Information, Cooperative Purchase, Claims, Arbitration and Legislation.

Selection of place of meeting for 1809.

Nomination of officers.

The Question Box.

Sessions of the Chrysanthemum Society of America (2 p. m.), Florists' Hail Association (3 p. m.) and American Carnation Society (4 p. m.) will be held on Wednesday afternoon.

SECOND DAY, EVENING SESSION, S O'CLOCK.

A paper, subject, "Trade Exhibitions; their value to the florists' business." 11 Cushman, Euclid, O.

THIRD DAY, MORNING SESSION, 10 O'CLOCK.

Discussion, subject, "American Grown Bulbs.' Opened with a paper by Mr. M. 1. Kains, of Agricultural Department, Washington, D. C.

Election of officers.

The Ouestion Box.

EVENING SESSION, 8 O'CLOCK.

Essay, "The Comparative Effect of Improvement in Varieties and Improvement in Cultural Methods," E. Gurney Hill, Essay, "Grafted Roses for Growing

Under Glass

#### FRIDAY, AUGUST 19, 1898.

The fourth day will be devoted to visiting and sight seeing at the Exposition and such other recreation as may be provided or suggested by the local members of the Society.

#### THE OUESTION BOX.

The Question Box will be, as heretofore, an interesting feature of the meetings. Members are requested to forward inquiries intended for the Box to the Secretary previous to the meeting, when practicable, so that they may appear in the regular programme.

#### PROPOSED AMENDMENT.

Mr. Lawrence Cotter proposes the fol-Jowing amendment to the by-laws:

To amend clauses 2 and 3 of Section VI relative to nominations and elections by the addition of the following words: Provided, however, that any name, in order to be thus officially declared for any office, must have received at least ten per cent of the total vote cast, so that the clauses 2 and 3 shall read as follows:

2 Members shall, in the blank spaces so provided, insert the names of their candidates for the designated offices. ballots shall be collected by tellers duly appointed by the Chair, the results taloulated in the presence of the members of the Locative Committee who may be present, and announced by the Secretary the two nominees receiving the lighest number of votes for each office being to the ensuing car, provided, however that any name in order to be thus on

cially declared for any office, must have received at least ten per cent of the total vote cast.

3. Should either of the two nominees receiving the highest number of votes decline to stand as a candidate, the nomince receiving the next highest number of votes, if not less than ten per cent of the total vote cast, shall be declared a candi-

#### NEW SPECIAL DEPARTMENTS.

The Executive Committee at its meeting in Washington, D. C., March 15 and 16, 1898, voted to recommend the establishment of new departments under the supervision of the Society, as follows:

- 1. A Department of Credit Information, whose duty it shall be to furnish information concerning the business standing of persons in the trade; said information to be furnished at \$5 per annum and to members of the S. A. F. at \$1 per annum. To be in charge of a committee of three, appointed by the President, subject to the approval of the Executive Committee.
- 2. A Department of Co-operative Purchase, the object of which will be to secure for members of the Society the low prices on various greenhouse supplies, which may be obtained through co-operative purchase in large quantities. To be managed by a committee of three, to be appointed by the President, subject to approval of the Executive Committee.
- 3. A Legislative Department, whose duty it shall be to discourage adverse legislation, state or national, and encourage legislation favorable to the trade. To be in charge of a committee of three, appointed by the President, subject to the approval of the Executive Committee.
- 4. An Arbitration Department, whose duty it shall be to promote the amicable adjustment of controversies between members, when requested by parties interested to do so. To be in charge of a committee of five, appointed by the President, subject to the approval of the Executive Committee.
- A Claim Department, whose duty it shall be to look after the adjustment of claims of members against transporta-tion companies. To be in charge of a committee of three, appointed by the President, subject to the approval of the Executive Committee.

#### THE TRADE EXHIBITION.

This will be a grand exposition of the latest improvements in all requisites for the greenhouse and other departments of the florists' business, models of greenhouses and apparatus, new and rare plants, garden implements, bulbs, seeds and supplies. The exhibition hall is in the basement of the church in which the sessions of the convention will be held. very large amount of space has already been rented, and intending exhibitors should make application at once to the superintendent for such accommodations as they require.

Revised rules relative to the indges' duties and method of making awards follows.

#### RULLS OF MANAGEMENT.

RULES OF MANAGEMENT.

1. The Society of American Florists shall, through the Evecutive Committee control all leatures of the trade exhibition.

2. There shall be appointed annually at the winter meeting of the Evecutive Committee a superintendent of exhibits. The vice-president of the S.A. I. or the local organization in the place where the convention of the current year is to be held shall be invited to recommend such superintendent for election by the Evecutive Committee as aforesaid. Sand superintendent shall have see in leburge of all details of the annual exhibition of shall be under even days full scrybe and tand dorsies the convention. He shall receive ppotention for page and assign the same in the refer in which they are received by him.— He

shall provide and arrange all necessary tables and staging. He shall furnish the Secretary as full a list as possible of the trade exhibitors by 1 p. m. on the day of opening the convention, said list to be for the use of the judges. He shall also furnish the Secretary with a full report of receipts, expenditures and other details of the exhibition, the same to be embodied in the annual report of the Society.

3. Exhibition space shall be designated in square feet, at a maximum charge of 25 cents per fool for feet, at a maximum charge of 25 cents per fool for

the same to be embodied in the annual report of the Society.

3. Exhibition space shall be designated in square feet, at a maximum charge of 25 cents per foot for all space less than 12 feet; more than 12 feet and less than 50 feet, 21 cents; more than 15 feet and less than 50 feet, 21 cents; more than 56 feet and less than 50 feet, 19 cents; 100 feet or more, 18 cents; no entry to be accepted for less than \$2. No charge shall be made for plants and flowers entered for exhibition purposes only.

4. Wall space shall be measured four feet in height, and when practicable a table not less than one foot wide shall be added gratis; if desired and applied for with entry.

5. Exhibition classes to be arranged as follows; A. Plants; B.—Cut Blooms; C.—Boilers and lleating Apparatus; D. zeenhouse Appliances, including Flower Pots; E.—Florists' Supplies, including Flower pots; E.—Florists' Supplies Florists and the state in the pots; E.—Florists' Supplies Florists and the pots florists of the convention, during which time the judg

work.

Exhibits not in position before 1 p. m. on the first day of the convention may be excluded from the reports of awards.

13. Doors of exhibition shall be closed five minutes before the opening hour of each session of the society, and remain closed during the session.

14. Exhibition to be open not less than two hours before the opening of the morning session, to remain open during the day, except during the session hours, as provided in Sec. 13, and to remain open one hour after the closing of the evening session.

open one hour after the closing of the evening session.

15 No article exhibited shall be removed until after the close of the last day's session, except by permission of the superinfendent of exhibition.

16 All adjustments not covered by rules or pub-lished action of the Excentive Committee shall be referred to that committee.

#### A SPECIAL MEDAL COMPETITION.

The Society of American Florists offers six silver and six bronze medals, to be competed for at Omaha, as per the following schedule:

Cannas—display of 12 varieties in pots, not to exceed 25 plants in all.

Caladiums-12 fancy foliage varieties in pots, one plant of each.

Display of American grown bulbs.

Mantel decoration, of plants or flowers or both, to be kept in good condition throughout the exhibition.

The silver medals to be awarded for the best in each of the above classes, and the bronze medals for the second best. One silver and one bronze medal additional to be left to the discretion of the committee to be awarded to any display of plants showing advancement in culture or of special value to the trade. No awards shall be made in any class where, in the opimon of the committee, the quality of the exhibit does not justify it. department will be kept entirely distinct and separate from the trade exhibition. No entry fee or charge for space will be required, and no advertisement or card of a business nature shall be used. Entries should be made with the Secretary of the 'A. F.

N. B. All persons winning any awards of value at the exhibition of the S. A. F., if not already members of the Society, must so qualify themselves before receiving such award.

#### AN EXHIBITION OF PHOTOGRAPHS.

All persons having photographs of floral decorations and design work are invited to send same to the convention hall, in care of the secretary, where they will be displayed on exhibition, and a competent committee will be appointed to examine and award such recognition as the quality of the work represented may justify.

#### THE BOWLING CONTEST.

Arrangements ware wheing sperfected by the local club to make this feature as interesting and exciting as similar tournaments in the past have been. Particulars as to location, hour and trophies will appear in due season.

#### HOTEL ACCOMMODATIONS.

Following is a list of Omaha hotels convenient to the convention hall.

| Contenient to the                       | COLL   | circion near  | ••                  |
|-----------------------------------------|--------|---------------|---------------------|
| HOTEL. CAP.                             | ACITY. | AMERICAN. I   | EUROPEAN.           |
| The Millard,                            |        |               | PLAN.               |
| 13th and Douglas,                       | 100    | \$3.00 up.    | \$1.50 up.          |
| Arcade Hotel,                           |        |               |                     |
| 13th and Douglas,                       | 100    | <b>\$2.00</b> |                     |
| Hotel Dellone,                          |        |               |                     |
| <ul> <li>14th and Capitol av</li> </ul> | . 450  | \$2.00 up.    | \$1.00 up.          |
| The New Mercer,                         |        |               |                     |
| 12th and Howard.                        | 300    | \$2.00-2.50   | <b>\$1.00-1.5</b> 0 |
| Hotel Barker.                           |        |               |                     |
| 13th and Jones.                         | 100    | <b>\$1.50</b> | <b>\$1.00</b>       |
| The Midland,                            |        |               |                     |
| 16th and Chicago,                       | 150    | \$1.50-2.00   | \$ .50~1.00         |
| Drexel Hotel,                           | 400    |               |                     |
| 16th and Webster,                       | 100    | \$            | \$ .75 up.          |
| Murray Hotel.                           | 4410   | 4 > #0        |                     |
| 14th and Harney.                        | 100    | \$2.50 up.    |                     |
| Victoria Hotel.                         | - 0    | ** **         |                     |
| Dodge St. nr. 13th.                     | 50     | \$1.50 np.    |                     |
| Dodge European (get                     |        | n only),      | ** **               |
| 101-111 So. 13th,                       | 40     |               | \$1.00              |
| Hotel Vendome,                          | 40     | 41.00 1.50    |                     |
| 414 So. 13th,                           | 40     | \$1.00-1.50   |                     |
| The Windsor,                            | 50     | 00.00         |                     |
| 10th and Jackson.                       | 50     | \$2.00        |                     |
| Hotel Garfield,                         | 200    |               | A 25                |
| 1515 Howard,                            | 2170   |               | \$ .25 up.          |
| The Brunswick,<br>16th and Jackson.     | 200    | 22 00 2 00    | \$1.00 p.s.         |
| Total and Jackson.                      | 200    | \$2.00-3.00   | \$1.00 up.          |

#### New York.

LIGHT BUSINESS AND SLOW COLLECTIONS.

—W. A. MANDA WINS A SUIT.—FLEISCHMAN'S NEW BRANCH OFFICE.—BOGARTS'
EXCURSION.

Very light receipts and no buyers is the record of the wholesale marts at present. In the retail stores an unbroken stillness prevails, and the few who have not gone away for a brief recreation find time heavy on their hands. The selling of flowers is a secondary consideration with the wholesalers; collecting overdue accounts is a more important duty. Judging by what one hears in wholesale circles the credit business is rather overdone here. The New York Cut Flower Co. has taken the initiative in limiting the amount of credit which customers may enjoy, and in following up collections closely. It would be a most sensible move if the wholesalers of 28th street and other localities were to follow this good example and adopt a policy that would ensure prompter settlements. Long credits are the worst feature of the flower trade to-day.

W. A. Manda has just received news that a verdict in his favor has been rendered against Ludwig Moller, editor of the *Garten Zeitung*, of Erfurt, Germany, for certain alleged libelous statements that were published in that journal at the time of opening of the Hamburg exhibition. The sentence imposed was a fine and imprisonment in addition to 1000

marks damages and a retraction of the offensive allegations.

Fleischman has opened a down-town branch in the Arcade, 71 Broadway, corner of Rector street. This establishment is fitted up on a scale worthy of the high class office trade which is its objective point.

The popular Leslie's Weekly for July 7, contains a picture of Willie Tiflany in a photograph of Troop K, Roosevelt's Rough Riders. The picture was taken before Santiago.

Bogart's employees had their annual fishing exertsion on July 14. A big crowd participated, and all enjoyed themselves. The steamer Isabelle never carried a happier party.

H. A. Siebrecht has gone to Bar Harbor.

#### Chicago.

A SCARCITY OF ROSES AND OF ORDERS.—
TRADE CONDITIONS.— FLORISTS' CLUB
MAKES ITS FIRST SUMMER EXPEDITION.—
NEXT TRIP TO BE TO REINBERG BROTHERS' PLACE.—NOTES AND COMMENTS.

There are still two great scarcities in the market—scarcity of roses and scarcity of orders. A few roses are being cut from young plants. Brides and Bridesmaids are small and short-stemmed. Meteors, though small, are of very good color. Beauties from young stock are improving in quality. Carnations are coming in freely from outside grown plants; the crop of colored ones is shortening somewhat, but there are still plenty for the demand. Sweet peas are in profusion, and good ones sell at from 4 cents to 8 cents per hundred.

The Florists' Club visited the home of Mr. and Mrs. Henry Hilmers at Blue Island last Sunday, and one of the largest crowds which the club has ever turned out for a similar excursion responded to the call for this, the first pleasure trip of the season. There was an unusually large number of ladies present. About an hour and a half was devoted to the inspec-tion of Mr. Hilmers' houses, in which the visitors found little to criticise, but much to praise. The Hilmers brothers grow a wide variety of stock, shrubbery, trees, very fine Hydrangea grandiflora for cut flowers, herbaceous plants, irises, perennials, Coreopsis lanceolata, delphiniums, centaurea and all the marketable roses, etc. Several of the rose houses had just been replanted, but there are two houses of Brides and Bridesmaids in which the last year's plants are in fine condition and producing excellent blooms. Later in the afternoon an exceptionally tempting lunch was served upon the lawn. After Edgar Sanders had, on behalf of the club, thanked the host and hostess for the entertainment, carriages were taken for a trip to the establishment of Heim Bros., half a mile away, where many things were found to repay the party for the trip.

The next onting will be to the establishment of Reinberg Bros., the largest place of its kind in the country, on July 24. The party will take the Northwestern train at 1 p. m., arriving at Summerdale at 1:20. The Reinbergs will make this an occasion well worth every member's participation.

The Messrs. Freidman & Allen have withdrawn their suit for \$200 against the millionaire managers of the great horse show, the wealthy gentlemen in question agreeing to pay \$25 and the plaintiff's costs and attorney fees. The flowers over which the dispute arose were used to decorate the stalls of Joe Patchen and Star Pointer.

The retail florists have followed the lead of the wholesalers, the down-town dealers having agreed to close their stores at 6 o'clock each evening until September 5.

E. Hobbs, the well-known Indiana avenue retailer, left Thursday for a two months' visit with his mother at Bristol, England. Mr. Hobbs has been in the business here for nearly twenty-five years.

Ed. Winterson has concluded that, with the present retail trade conditions, he can find all the rest he wants at his store, and has returned from his Wisconsin cycling trip, leaving C. S. Stewart to continue his outing

cycling trip, leaving C. S. Stewart to continue his outing.

Adolph Bruns, 26 years of age, employed hy his brother; H. N. Bruns, 690 West Van Buren street, shot himself Wednesday. He suicided because: Alma Fuercks refused his offer of marriage.

August Landahl, of Wm. Landahl & Sons, is spending three weeks in northern Wisconsin.

Visitors: J. J. Hess, of Hess & Swohoda, Omaha, Neb.; Mr. and Mrs. W. L. Morris, Des Moines, Ia.; Victor Wayman, Madison, Wis.; J. W Hulsizer, Grinnell, Ia.; Carl Marx, Adrian, Mich.

#### Philadelphia.

S. S. PENNOCK VISITS CARNATION GROWERS.

—NEW BEAUTIES IN SIGHT.—WALKER
AND THE BIKE.—HEACOCK USES SHADING CLOTH EFFECTIVELY.—KIFT'S EXPERIENCE IN SEARCH OF BERMUDA LILIES.

—EUROPEAN TRAVELERS.—NOTES.

S. S. Pennock has just returned from a trip in the carnation belt of Chester county, and through a part of Lancaster county where there are a number of cultivators of the flower. He reports the growers in good spirits and apparently well pleased with the business of the past season; in fact the feeling is better now than a year ago. Considerable additions are being made in many places and not a few new establishments are being built. Mushrooms and tomatoes are being grown quite successfully by many as a side crop in the same house with carnations.

American Beauties from houses planted for summer cutting will be ready about the first of August and will prove a welcome addition to the very poor assortment now to be seen in the refrigerators of the storekeepers

of the storekeepers.
John Walker is learning to ride the "bike" and has his hands full these evenings. He ran into an organ grinder and his monkey one evening last week and there was a lively time for awhile.

Joseph Heacock says he finished planting two weeks earlier this year than last, commencing at the same date, and did the work with two less men. He attributes this quick work to the use of the shading cloth on the outside of the houses which were being operated in and says it has proved to be a labor saver as well as a great comfort to his men, who generally considered this the hardest and most exhausting job of the year.

The story in last week's Florist of the Graveyard brand of the Bermuda lily, reminds us of an incident in the first shipment of the bulbs to this country. Jos. Kift, Jr., was the first commercial florist to discover the home of the lily and in endeavoring to secure the bulbs he had a varied experience. The liles did not grow wild and were only to be found in private gardens whose owners were loth to part with them. In order to increase his stock he offered to buy at a certain price all the bulbs brought to him and some of the idle darkies took advantage of the offer. Soon some one discovered that the

bishop's lot in the cemetery had been vis ited and that baskets of the lilies had been carried away. Mr. Kift was arrested for the theft but soon proved his innocence. However, he was very careful of his after purchases.

Chas. Sims sailed for Europe by the steamship Etruria for a six week's sojourn. mostly in Scotland Mrs. Abram Knowles and family went abroad by the steamer Waesland, sailing from this city July 9. They expect to be gone about three months, spending most of their time in England.

Mr. and Mrs. Robert Craig and Mr. and Mrs. Wm. K. Harris have been spending a few days at Asbury Park. Harris says he can be counted on for Omaha if his health will permit him to make the trip, and those western bowlers must not forget his 240 point game at St. Louis. It was the high score of the tournament.

#### Boston.

ROSES ARE POOR,—CARNATIONS ABUNDANT AND LITTLE DOING .- SATURDAY EXHIBI-TION OF HOLLYHOCKS. - DEATH OF PHILIP WIELAND. BRIEF NOTES.

Many rose growers have thrown out their stock and have begun replanting. This reduces the quantity of flowers on the market considerably, and of the stock left little can be said in approval, for much of it is about as rubbishy as it can be. If one wanted any number of really first class roses he would find great difficulty in locating them. There are but few such calls, however, and the supply, such as it is, mostly finds its way into the hands of the street fakirs, who manage to get something out of it, a feat which would be impossible with a store florist. Carnations are still in supply much too heavy for the call. They are good for the season and the weather, but bring very little in the market, as there is practically nothing going on. Auratum lilies, irises, gladioli and other outdoor flowers are abundant. Lily of the valley finds a very poor market at present, and this is also true of pink pond lilies.

Saturday, July 9, was hollyhock day at Horticultural Hall, but hollyhocks might as well be dropped, it seems, from the schedule. A few years ago the displays were superb; we can raise them no more until some one discovers a way to master the hollyhock disease. The show of wild flowers was good, although Mrs. P. D. Richards, who has for so many years held foremost place in this department, was absent owing to the sudden death of her husband. Next saturday hydrangeas, gloxinias and achimenes in plants and tuberous begonias, aquatic flowers and hardy ferus, cut, are on the schedule. Saturday, July 23, will be sweet pen day, and a fine display is looked for.

Philip Wieland died at his home in Dedham on July 8, aged 65 years. Mr. Wieland was engaged in the retail florist trade in Cambridge formerly, but for the past twelve years has been employed in the Boston and Metropolitan park departments, most of the time on the Back Bay Lens and Charles River embant. ments, where his thorough training, obrained in Germans, in all departments of horticultural made him a very valuable man. Personally he was popular and his company entertaining. His wife sur-

P and L. J. Selch have gone with their families to Old Orchard Beach for their summer outing two A Sutherland will take a cruise of any the Maine coast

Geo. A. Black, of Brighton, offers to settle with his creditors for 20 per cent of their claims.

#### St. Louis.

COOLER WEATHER FAILS TO REJUVENATE TRADE.—PICNIC COMMITTEES.—RUMORS OF NEW WHOLESALE HOUSES.—THE SEA-SON OF SUMMER PILGRIMAGES.

A most welcome fall in the temperature accompanied by cool north winds has been the special feature of the past week. It has not, however, had any effect on trade, everything being very quiet. Good stock does not exist hereabouts, and it is hard filling orders for critical customers with what is on hand. About the only thing that can be turned out in presentable condition is funeral work, and that is not as plentiful as it has been.

The next meeting of the Florists' Club is expected to be well attended as nominations of officers for the coming year are in order and final details for our annual picnic will be announced, for which com-

prenic will be announced, for which committees have been appointed as follows:
Reception.—A. S. Halstedt, chairman;
E. W. Guy, William Trillow, Adolph Fehr,
Gustave Grossart, Michael Semmler,
William Hucke, Henry Emmons, and the ladies of Belleville.

Transportation.-Fred. C. Weber, chairman; C. A. Kuehn and John W. Kunz.

man; C. A. Kuehn and John W. Kunz. Finance.—C. C. Sanders, chairman; F. W. Ude and Emil Schray.
Games and Sports.—J. J. Beneke, chairman; C. C. Sanders and A. Fehr.
Music.—Max Herzog, chairman; J. F. Ammann and F. J. Fillmore.
Shooting.—Robert F. Tesson and E. W. Guy.

Bowling.-Carl Bever and A. S. Hal-

stedt. Refreshments.-John Steidle, chairman; Theo, Faller and Herman Ude.

Medical Advisers.-Doctors Helwig and Halstedt.

Rumors are thick in regard to wholesale houses that are to be open here this tall. So far, however, no positive information can be obtained in regard to any of them, although there seems to be an opening for another first-class wholesale florist and supply house.

The last pilgrim to leave town is Wm. Hucke, who has closed his store on South Grand avenue for the summer and is making a tour of the lakes. He will reopen his establishment with the regular season, probably some time in September. Hiram Beming is also taking a two week's vacation. He, however, is combining business with pleasure and will visit many of the consignees in Hlinois and Indiana of the St. Louis Cut Flower Company, with which he is connected. R. F. T.

#### Baltimore.

LITTLE CHANGE IN MARKET AND CROP CONDITIONS, - HE NRY KIMMELMAN KILLED AND HIS WIFE SEVERELY INJURED BY A LALLING STANDS

There is but little change in the market. The dry weather continues and is becoming a very serious matter to those whose water supply is not unlimited. Asters have made their appearance in limited

Henry Kimmelman was instantly killed on Monday, July 11, by a piece of seantling falling on his head while he was erecting a stand beside his greenhouse at Grangeville, Baltimore county. stand tell when a prop became displaced and the back of Mr. Kimmelman's skull was crushed. His wife, who was standing nearby when the accident occured, was struck by a piece of scantling and her left leg was broken. The Florists' Club has decided to have

its annual outing at Clitton Park. Маск.

#### Providence. R. I.

The usual inactivity that follows the commencement season arrived on schedule time, but we have no cause for complaint, as this year saw an unprecedented demand for flowers. Fancy baskets seemed to be in better demand than usual, although loose bunches and bouquets held their sway. Flowers were abundant and prices were away down, giving the retailer a chance to do a good job at a reasonable price.

The last meeting of the Florists' and Gardeners' Club was one of the most enjoyable and held. joyable ever held. It was of a social nature and the attendance was unusually good. The club voted to have a field day in August when the members with their families will enjoy a sail to Seacourt.
President Cauning is the right man in the right place; he has introduced many innovations that make the meetings worth attending.

Some of the flower stores down town are contemplating putting in nickel in the slot machines or some "flim flam" to compete with dry goods stores, jewelry stores and meat markets that sell plants, cut flowers, and lastly lawn mowers for \$1.90.

As small as she is "Little Rhody" will have representation at the Omaha convention.

Flowers are abundant, but everything is burning up for want of rain.

LITTLE RHODY.

#### Bloomington, Ill.

A range of ninetcen houses, comprising over 35,000 feet of glass, constitute A. Washburn & Son's greenhouse plant situated a short distance from the city limits. Everything in the line of cut flowers, worth growing at all, is grown here with marked success. Mr. Washburn has been especially successful with his Marie Louise violets, of which he grows five houses. Last season's crop could not possibly have been surpassed, and this year's success promises to be fully as great. A noteworthy improve-ment about the Messrs. Washburn's greenhouses is that of replacing the old boilers by four of new construction, each of fifty horse power capacity. These will soon be placed in position.

A new departure worthy of special mention is the manufacturing of grape and fruit boxes carried on by the Washburns in the large basement of their seed and flower store. The machinery devised for the purpose and the general facilities for producing boxes in large quantities and thereby make them yield good returns, are of the very best.

W. T. Hempstead has commenced building a rose house.

1. D Robinson has left for a short trip cast.

GRAND RAPIDS, MICH.-The Grand Rapids Horal Company rented a load of palms on July 7. It was four days later that they sent for the stock and discovered the swindle. It was the same game which has been perpetrated a dozen times throughout the country this spring and doubtless was "worked" by the same operator.

### THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

PRESIDENT MCKINLEY'S favorite flower is a pink carnation and be always wears one on the lapel of his coat.

One of our correspondents raises an interesting question, viz., "Why does Mme. Salleroi geranium never bloom?" He adds: "I have grown it for years, and never saw it produce a single flower or bud."

Honors are pouring in upon Assistant Naval Constructor Richmond P. Hobson, of Merrimac fame. At the recent show in Boston a particularly gorgeous party with petaloid anthers was labeled the "Lieutenant Hobson."

THE English rose growers, Paul & Son, have in their new rose, Una, a cross between Rosa canina and a tea. The growths are said to have attained a length of twenty-five teet. The flowers are semi-double, four inches in diameter and of a rich cream color with a buff tint.

The clever gentleman who rents palms which he never returns is still pursuing and pursued. He was last heard from in Michigan, where several florists learned at considerable cost to verify orders brought by strangers. The swindler invariably represents himself as the "man" of a well-known family.

The Nebraska State Horticultural Society and the Southwestern Iowa Horticultural Society will hold a union meeting at Omaha, July 26, 27 and 28, which promises to be one of the most interesting gatherings of this character of the year. A programme of unusual interest has been prepared.

Mr. A. L. Winton, says the Gardeners' Chronicle, gives the following details relating to violets: One thousand plants contained in pounds, 257 pounds of water, 52 of organic and volatile matters, 7 of other mineral matter, equal 316. Of nitrogen, the quantity works out at 1.5; potash, 1.74; soda, .55; lime, 62; magnesia, .25; phosphoric acid, .37; sulphuric acid, .32; chlorine, .27; other matters, 2.76, equal 6.88.

#### The Omaha Convention.

The AMERICAN FLORIST is in position to secure the best possible rates of fare to Omaha, route to be fixed later. We shall be very glad to have the names of all who are thinking of making the trip so that we may submit route and very best rates when arrangements are completed. Berths will be secured on application.

#### Eel Worms.

There has been some discussion on the use of silico fluoride of ammonium in the *Iournal of Horticulture* (English). In an article by Mr. G. Abbey, it is stated that

experiments conducted by him show conclusively, that one ounce of this substance to a square yard of ground will completely destroy eel worms and many other noxious insects. As its effects are injurious to some plants (although not so much to the roots as to the leaves), he advises treating the ground before planting. The substance soon decomposes and thereby becomes harmless to vegetation while, as it contains about 19 percent of ammonia, it leaves in its decomposition a valuable fertilizer.

#### Cut Flower Price Lists Received.

Cincinnati Cut Flower Co., Cincinnati; Holton & Hunkel Co., Milwaukee; Wm. F. Kasting, Buffalo; St. Louis Cnt Flower Co., St. Louis; Louisville Florists' Supply and Exchange, Louisville.

#### Catalogues Received.

Benjamin Hammond, Fishkill-on-the-Hudson, N. Y., paints; Hubert & Lucas, Vauquiedor Nurseries, St. Andrew's, Guernsey, bulbs; Rea Brothers, Norwood Nurseries, Norwood, Mass., herbaceous perennials; Peter Henderson & Co., New York, N. Y., plants and seeds; The New Jersey Moss and Peat Co., Barnegat, N. J., peat; Ellwanger & Barry, Mt. Hope Nurseries, Rochester, N. Y., plants; John Barth Bos, Overveen, near Haarlem, Holland, bulbs; Arthur De Meyer, Mont St. Amand, near Ghent, Belgium, plants; Brinkworth & Sons, Winchester, Hants., England, seed dressing; Pennell & Sons, Lincoln, England, plants; E. H. Krelage & Son, Haarlem, Holland, bulbs; Pinehurst Nurseries, Pinehurst, N. C., seeds.

#### Greenhouse Building.

Bloomington, Ill.—W. T. Hempstead, one rose house.

Terre Ilaute, Ind.—Lawrence Heinl, rebuilding four houses 10x85.

Fremont, Neb.—Green & Nichol, one carnation house.

Norwich, Conn.—F. J. Langenbach, two greenhouses.

Waterville, Me.—Mitchell & Son, one rose house.

Bay State, Mass.—W. C. Lacey, one forcing house.
West Chester, Pa.—Max Meyer, six

greenhouses.
Newburgh, N. Y.—Newburgh Floral

Co., one smilax house.

Burlington, Vt.—C. E. Gove, two com-

mercial houses. Mt. Holly, N. J.—Mrs. H. F. Smith,

conservatory. St. Paul, Minn.—R. C. Seeger, one vio-

let house.
Washington, D. C.—J. R. Freeman, rose house 22x150, carnation house 16x100.

#### A Leaky Roof.

ED. AM. FLORIST:—What can I do to prevent my greenhouse from leaking? It was built three years ago. Last fall the putty began to scale and I had it scraped and mastica run on. The latter now has scaled worse than the putty. L. E. P.

Although the letter does not say so in so many words, I infer that perhaps L. E. P. may have placed the putty and mastica upon, instead of beneath, the glass, as when glass is properly bedded, as has been the practice for fifteen or twenty years, in either putty or mastica, there should be no trouble from leaks for a number of years. If the glass has been

carefully laid and is securely fastened in place, it can with a little labor be made fairly water-tight, but if not it will be better to take it out and relay it. To repair the roof without removing the glass, after scraping off all the loose putty (and, if it is on the outside, a good job cannot be done without taking it all off), fill the cracks at the sides of the panes with either putty or mastica, using a "gun" for the purpose. If the glass is lapped it will be desirable to back-putty beneath the panes. The best putty is made from whiting and linseed oil with seven or eight per cent of pure whitelead. The sash should then be "drawn," using a moderately thick paint and taking care to fill all cracks. In drawing the sash it will be well to allow the brush to lap over upon the glass for one-eighth or one-fourth of an inch. When properly glazed and repainted every year or two a roof years without reglazing. L. R. Taft,

#### The Dutch Horticulturists.

At the June meeting of the Dutch Horticultural and Botanical Society, held in Amsterdam, the floral committee made the following awards: First-class certificates to E. H. Krelage & Son for Acalypha Sanderi; J. H. Kersten & Co. for Anemone coronaria fl. pl. White Lady; J. H. Schoher, for Epidendrum purpnreum; and J. C. de Lange for Lilinm rubellum. Certificates of merit to E. H. Krelage & Son for Brodiæa Howelli lilacina and H. D. Willink van Collen for Lupinus Noot-Botanical certificates to E. H. katensis. Krelage & Son for Calochortus Maweanus major, Iris nigricans, Kniphofia Tucki and Tulipa Sprengeri; and to Baron von Boetzelaer for Masdevallia rosea and M. Ephippium, who also received honorable mention for three varieties of Odontoglossum crispum. E. II. Krelage & Son were awarded a gold medal for a collection of cut flowers from bulbous and tuberous plants.

#### The Price of Free Seeds.

There appears in the Congressional Record of July 9, 1898, a speech delivered by Hon. David H. Mercer, of Nebraska, Thursday, January 13, 1898, in which are given some very interesting facts concerning the free distribution of seeds by the Department of Agriculture. Mr. Mercer produced a letter from the Secretary of Agriculture including a tabulated statement showing the amount of money expended by that department for free seed distribution and statistics from 1853 to 1897, aggregating \$3,477,801.32.

The combination of the statistics and seed distribution appropriations ceased, apparently, in 1864, and from 1865 to 1897, inclusive, \$2,850,897.11 was expended in the free distribution of seeds alone. The appropriations for experiment stations between 1888 and 1897, inclusive, amount to \$6,774,372.62, a grand total of \$10,251,173.94 for seed distribution and experiment stations, including the small amount spent on statistics from 1853 to 1864, inclusive.

#### "Palmenzucht und Palmenslege."

Messrs. Trowitzsch & Son, Frankforton-Oder, Germany, have sent us a copy of this new book on palms by Dr. Udo Dammer. Many years ago, the late Benjamin S. Williams, of London, England, in one of his volumes on stove and greenhouse plants, gave us a very good account of palms and cycads, with some excellent cultural notes. In the interval we have had nothing of this character in similarly compact form, although many interesting and valuable communications on these plants have appeared in the horti-cultural journals. It is therefore a great pleasure to receive Dr. Dammer's work under the above title, dealing with the propagation and cultivation of palms. Most of the cultivated species and varieties are well described and many of them admirably illustrated. Very minute directions are given regarding propagation and culture. The amateur grower will find the directions for the treatment of plants grown in rooms and dwelling houses extremely useful, and the professional gardener is given many practical hints on matters with which he is rather unfamiliar. We rank the book among the most important on greenhouse plants which have made their appearance within the past ten years, especially as palms in recent times have become so popular with all growers of ornamental plants. The text is in German.

#### More About Rose Soil.

In order to grow fine roses the first requisite is good soil. That rosegrowers use loam taken from ground that has been sown to grass for several years is due, in the first place, to the fact that it contains a larger percentage of nitrogen than would ordinarily be found in loam from a cultivated field. In the second place, the mechanical action of the soil is much improved by growing grass on the land, thus providing for the roses, when the sod is properly composted, a soil rich in plant food, free from harmful ingredients, and better suited to the requirements of the plants. Roses, however, can be well grown in any good, heavy loam, providing it be properly prepared and a sufficient amount of fertilizing material added, but in either case care should be used in its preparation, and on no account use sod or loam directly from the field. It should be composted for at least two months before using and even a year is none too long.

In other words, everything being equal as to care, etc., the roses planted in good, well-rotted loam from an old pasture, will be much finer and be more easily grown than when ordinary loam is used. Bay Side, N. V. JOHN II TAYLOR.

#### After the Evans Cup.

Serene in their confidence in their prowess the knights of the lignum-vitae balls who howl upon the alleys of the Chicago I lorists' Club are resting upon their oars before the big convention contest which shall decide for the year the possession of the Lyans Challenge Cup. The Chicago bowlers are making no boasts but feel prepared to "roll" three of the "warmest hand of games and it is safe to say that the team which wins at Omaha will have to make a better score than did Philadelphia at Providence when the boys from the City of Brotherly Love captured the beautiful saver trophy with 2501 points, or an average of 179

There is more than usual interest taken in the game this year and a splendid contest may be anticipated at Omaha. Chi engo St. Louis, Indianapolis, Philadel phise Pritisburg, Omaha and probably sev eral other clubs will compete and will all put up strong games. Out at the conven from city there are bowlers who threaten to rob the east of her self-esteem, for A Longhue St. J. H. Hadkinson, R. H.

Davey, L. C. Chapin, S. B. Stewart, and several others are rolling weekly scores which, if they can be duplicated in the face of the enemy, will set a pace fully swift enough for any team in the country. The trophy, which all clubs covet, must be won three times to become permanent prop-

Hot summer evenings are not the best that could be for any physical exercise, but Chicago, in common with other cities, continues to have a fair attendance on bowling night, although several of the best players are at present enjoying vacations out of the city. At the last meeting the following score was made:

| J. S. Wilson146   | 134 | 140 | 132 |
|-------------------|-----|-----|-----|
| Geo. Stollery158  | 146 | 105 | 111 |
| Fred Stollery134  |     |     |     |
| C. W. Erne100     | 106 | 100 | -98 |
| John Degnan129    | 135 | 108 | 106 |
| H. B. Howard 90   | 103 | 105 |     |
| Geo. Headworth130 | 116 | 113 | 117 |
| C. Pruner         | 105 | 119 | 109 |

Among those who are proficient at the game but were not present last week are F. E. Winterson, who holds the high record for the season, A. L. Vaughan, George Asmus, P. J. Hauswirth, G. Lange, F. Robinson, Oscar Kreitling, Robert Schenck, C. Hughes, Charles Held and a half score of others.

TORONTO, ONT.—The Canadian Florists' Association will hold its first annual convention here in September. The executive committee met at Hamilton July 6, and perfected arrangements.

Washington, D. C.—Mr. and Mrs. J. Louis Loose left July 13 upon the American liner Kensington for a two months' tour of Europe. Wm. R. Smith is critieally ill with hemorrhage of thelungs. He has been ill since July 4.

CINCINNATI.—Frank Ball has returned from a ten days vacation visit at Williamstown, Ky. There is a warm contest on between Ben. George, Charles Gardener and Wm. Murphy in the matter of selling picnic tickets. The one who sells selling picnic tickets. the greatest number will win a prize.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.
Every paid subscriber to the AMERICAN FLORIST for the year 18% is entitled to a five-line want adv. free to be used at any time during the year.

OTTUATION WANTED By young man where he can learn rose growing thoroughly; two years in the trade; good reference; address A B, care American Florist.

STRUATION WANTED-By good all round florist and gardener; capable of taking charge. Please give full particulars in answer. Address W K, care American Florist.

STELATION WANTED As manager of cut flower of department Good salesman, decorator and designer. Al references. For particulars address. RELIABLE, care American Florist.

OTTIATION WANTED As working foreman or to otherwise by good rose grower, also carmittons, mains e.e. ago 28, wages not less than 25 Geo Spencer, Gen'l Delivery, Detroit Mich

OTS ATION WANTED In commercial or private place by first-class florist; carnations and violets; good propagator. Best of raferences. Address.

1. P. Heitegy, P. O. Box 15, East Klugston, N. H.

STRIATION WANTED By practical florbs and de-signer. No. I rose grower, carnations, imams, violete specialities. Commercial or good private post from First class references. Address. Figures, P. O. Box 547, Allianes, O.

STIL VIION WANTED As assistant, In years experience under good growers. Captaile to take tourge or conduct commercial business. English, warried not offilm, can come alone. Address. ADVIIGITSER, 9 West 564h St., New York City.

OTHATION WANTED As working foreman, 20 years experience Roses carnations huma, also test lass designer and decorator. Not atraid of work. References. Ago 3s, married, no children Address. K. 443 West 6th 8t. Elmira, N. Y.

SITUATION WANTED—By practical experienced florist; age 33 single. For the last four years with one of the largest florist establishments in the east. Well recommended. Commercial or private place. Address John Stron. Grant St. Flatbush L. I.

WANTED—A working foreman; must be first-class Beauty grower; for which we are willing to pay a first-class price. None need rep y unless can furnish first-class recommendations. HILLARD & KARLSON, Exeter, N. It.

WANTED-Lady to assist in flower store; one will-ing to work and who has had experience; steady place at fair wages for the proper person. For further particulars address FREY & KASTNER. 1230 East Pierce St., Council Bluffs, Iowa.

WANTED AT ONCE—An all around experienced gardner for commercial place: must understand the culture of paims and ferns. Young and single man preferred; for information address LOUIS G. PFUNDER, 427 Washington St., Portland, Ore.

FOR RENT-First-class city greenhouses in city of over 20,000 in Illinois.

A B, care American Fiorist.

FOR SALE CHEAP—Only greenhouse in town of 4000 in Southern Michigan. Good reason for selling. Address C. H. Pick, Hudson, Mich.

FOR SALE-Four greenhouses, nearly new. Spiendid retail stand in residence distriction paved street leading to cemetery. Easy terms. Must retire on account of health A. CLAUS. 501 N. 4th St. Springfield, Ill.

#### CHICAGO LOTS FOR SALE!

One block from corner Lincoln avenue and Welliog-ton street, a bunch of lots at \$25 per front foot, sewer and water. Suitable for kreenhouse purposes. JAMES ROOD, JR., Tel. Main 3868, Room 5, 154 Lakes bt., Chicago.

#### FOR SALE AT A BARGAIN.

Florist establishment of over 10,000 square feet of glass; spleodid situation, 8 lots, 35 ft. iront; water, as and electric likht on street; greenhouse, office and barn all newly bullit, with all conveniences; heated by steam. Centrally located in city of 18000 population in State of Indians. Compelition none to speak of. Leading establishment in the city. Sickness cause of seiling. Address Indiana. Care American Florist.

#### FOR SALE.

The largest greenhouse plant in northern Kansas, on the St. Joseph & Grand Ishnid R. R., at Marysville, Kan. I offer my greenhouse and ten acres of land now enjoying a fine and growing patronage for cut flowers, plants and vegetable gardening; commodious dwelling house on the premises; living water, and all improvements and buildings quite new. A rare chance for an established buisness. Write for further information than Schmalze, Marysville, Kan.

#### FOR SALE.

FIFTY HORSE POWER BOILER with front and fittings complete, F. O. B. \$100.00. Is in first class condition, in use only five years heating school at low pressure.....

Address JOSEPH KIFT, Manchester, Pa.

### Notice of Dissolution of Partnership.

Notice is hereby given that the partnership heretofore existing between the undersigned, under mane of E. Hall A Son, in the greenhouse business is by mutual agreement dissolved, and the undersigned. W. E. Hall, will continue the business, having purchased the interest of E. Hall in the same. All persons indebted to said firm will make settlement with W. E. Hall who is the owner of all outstanding accounts.

E. Hall.

E. HALL. W. E. HALL

Duted at Civde, O., July 11, 1898,

Now Ready! The American Florist Company's Directory of Horists, Nursery-of the United States and Canada arranged both by States and Fost Offices and all names Alphabetically. Price \$2.60. In Flexible Leather Binding, \$3.60. Fully revised to 2.000.

revised to date with upwards of 3,000 New Names

American Florist Company, 331 Dearborn St., CHICAGO, ILL.

When corresponding with any advertiser on this page, please mention the fact that you saw the ad, in the AMERI-CAN PRORISE.

### Going, Going, Gone!

and it's your own fault if you don't get the bargains. Auction Sales of Plants every Tuesday, Thursday and Saturday at 9 A. M. at . . . . .

### McCarthy & co.'s

84 Hawley Street, BOSTON, MASS.

If you want to buy, send for Catalogues. & If you want to sell, write for terms. & & &

IT PAYS!

IT IS A GOOD PLAN TO

### PLAN AHEAD!

For next season you may want some Novelties illustrated or plates of same; Special Stationery, Covers, Catalogues, Booklets or Folders, Blotters, Calendars, or other Fine Printing, RIGHT NOW, the leisure time of year, is the best time to attend to such.

Original Designing. Ideas Practically Shaped.
MODERATE PRICES.
CORRESPONDENCE INVITED.

Dan'l B. Long, Publisher Buffalo.

### M. Rice & Co.

Exclusive Importers and Manufacturers of....

### Florists' Supplies

25 N. 4th Street, - PHILADELPHIA, PA.

## REED & KELLER... <u>Florists'</u> Supplies

122 W. 25th St.,

NEW YORK CITY.

### John Conley & Son,

Manufacturers of

### TIN FOIL

2 AND 4 DOMINICK STREET,

\_New York.

BRILLIANT GREEN AND BRONZE

### GALAX LEAVES,

For Decorating and all Florists' Designs.

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

HAIL

For Insurance Against Damage by Hail Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River. N. J.

### Now Ready!

The American Florist Company's

DIRECTORY Of Florists, Nurmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY & 324 Dearborn St., CHICAGO, Itt.

### H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

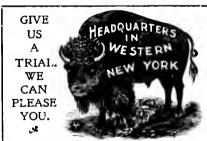
New Catalogue of all FLORISTS' SUPPLIES on application. To for the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 55 N. 4th St . PHILADELPHIA, PA.

### Wholesale Flower Markets

| CINCINNATI, July 14.                                    |                     |
|---------------------------------------------------------|---------------------|
|                                                         | 6 00                |
| " medlum 8 00@10                                        | 00.0                |
| " Brides, Bridesmaids 2 00@ 3                           | 3,00                |
| MICLOUIS,                                               | 3.00<br>3.00        |
| Carnations                                              | 75                  |
|                                                         | . 20                |
| Tuberose Stocks                                         | L 00                |
| Gladioil                                                | 100                 |
|                                                         | ) DO<br>L.OU        |
| Asparagua5                                              | 00.0                |
| St. Louis, July 14,                                     |                     |
|                                                         | s on                |
| Roses, Beauties. 2 00@1: Meteors. 2.00@                 | 1 00                |
| u Dridos Dridosmalds 9 000                              | 1.00                |
| " Peries                                                | 3 00<br>5.00        |
| Carnations                                              | 1 00                |
| Harrisii<br>Sweet peas                                  | 5.00                |
| Smilax.                                                 | .15<br>2.50         |
| MILWAUKEE, July 14.                                     |                     |
|                                                         |                     |
| Roses, Beauties                                         | 1.00                |
| " Perles 1 00@ 1                                        | 3.00                |
| " Meteora                                               |                     |
| Sweet peas 10@<br>Gladiol 3 (0@                         | 15                  |
| Gladioli3 (00@ i                                        | 5 00                |
| Smilax         10.00@1           Adlantum         75@ 1 | LINI                |
| Common ferns                                            | .20                 |
|                                                         | 0.00                |
| BUFFALO, July 14.                                       |                     |
| Rosea, Beautles.   5,00@ 2                              | 5 00                |
| " Meteors 2 0000 t                                      | 3 00<br>3 00        |
| " Perles. Niphetoa 1 00@                                | 3 00                |
| "Kaiserins                                              | $\frac{6.00}{1.00}$ |
| " fancine 1 100                                         | 2.00                |
| Lily of the valley                                      | 1 03                |
| Smilax                                                  | 5.00                |
|                                                         | 0.00                |
| Asters 1 00@<br>Adlantum, 1 00@                         | 1.25                |
| Asparagus                                               | 5.00                |
| LOUISVILLE, July 14.                                    |                     |
| Roses, Beauties, per dozen75@1 50                       |                     |
|                                                         | 3.00                |
|                                                         | 3.00<br>4.00        |
| " Portos   Mo"                                          | 00.0                |
| Carnations fancy                                        | 2.00<br>1.00        |
| Sweet paas                                              | .20                 |
| Mignonettes                                             | .25                 |
| Smilax, per dozea1.25@ 2.00<br>Adiantum                 | .75                 |
| Adlantum                                                |                     |
|                                                         |                     |



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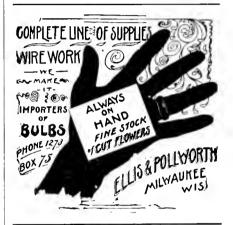
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....CHICAGO.

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Wholesale Dealers and Growers of Cut Flowers

CREENHOUSES: HINSDALE, ILL.

### Wholesale Flower Markets

| CHICAGO, July 15.               |
|---------------------------------|
| •                               |
| Roses, Beautiesper doz75@2.01   |
| " Brides 1.00@ 3.00             |
| " Meteors, Kalserins 1.00@ 4.00 |
| " Bridesmaids 1 00@ 3.00        |
| " Stebrecht Perles 1.00@ 3.00   |
| Testcuts 1,00 a 3 00            |
| Carnations, common              |
| Asters 1.00@ 2 00               |
| Auratum Illies 6.06.20 8.00     |
| Harristi 3.00@ 4 00             |
| Lily of the valley 3.00@ 5 00   |
| Sweet peas 04@ .08              |
| Gladioli                        |
| Adlantum                        |
| Common ferrs                    |
| 8mllax 5.00@10.00               |
| Asparagus                       |
|                                 |
| Panstes                         |
|                                 |



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DEALER IN CUT FLOWERS.

### J. A. BUDLONG

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ROSE PLANTS

3-in. 5.00

during July and August.

3.50

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2.50

American Beauties, 21g-in. \$4.00

Perle...... 212-in. 2.50

Bridesmaids..... 3-in.

Meteors...... 21 g-in.

Bridesmaids...... 21g in.

WHOLESALE GROWERS OF

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600,000 ILLI OF GIASS. We can find orders on short notice with an leading success of Roses and Carantons. We are headquarters for Fine American Beauties. Given a a trial and convice yourself

PLANTS SENT BY EXPRESS AT PLANT RATES, 20 PER CENT LESS THAN MERCHANDISE RATES .....

SMILAX PLANTS, \$1.50 per 100; \$12 per 1000. Store closes at 5:30 P. M.

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### JOHN YOUNG, ROSES, CARNATIONS, VALLEY

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Price list on application.

### Wholesale Flower Markets

| NEW YORK, July 13.                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------|
| Roses, Beauties, Hybrid   2.00@16 00   Bridesmalds, Testouts, Brides   50@ 3 00   Morgans, Meteors   50@ 2 00   Carnations   30@ 50 |
| Lily of the valley                                                                                                                  |
| Sweet peas, per 100 bunches1.00@1.50<br>Harristl                                                                                    |
| Smilax                                                                                                                              |
| Andragus                                                                                                                            |
| Cattleyas                                                                                                                           |
| BOSTON, July 13.                                                                                                                    |
| Roses, Beauties                                                                                                                     |
| " Morgans, Meteors 2 00@ 4.00                                                                                                       |
| " Brides, Bridesmaids 1 00@ 4.00                                                                                                    |
| Carnations25@ .50                                                                                                                   |
| Lily of the valley                                                                                                                  |
| Harristi                                                                                                                            |
| Smliax                                                                                                                              |
| Asparagus                                                                                                                           |
| Adlantum                                                                                                                            |
|                                                                                                                                     |
| PHILADELPHIA, July 13.                                                                                                              |
| Roses. Beautles                                                                                                                     |
| Carnationa                                                                                                                          |
| Lily of the valley                                                                                                                  |
| Harristi 4 00@ 6 00                                                                                                                 |
| Sweet peas                                                                                                                          |
| Cattleyae35.00@40.00                                                                                                                |
| Smilax                                                                                                                              |
| Asparagus                                                                                                                           |

#### We are able at present to fill orders for

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WRITE US FOR PRICES.

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Strings 8 to 10 feet long,

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PLENTY OF THEM AT 57 WEST 28th STREET,

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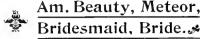
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39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

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Will find a good market and good returns for their stock at....

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FRANK MILLANG,

WHOLESALE COMMISSION,

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Cut Flower Exchange.

NEW YORK.

#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. A L BROOKE, Pres.: E. ALBERTSON Vice-Pres.; GEORGE C SEAGER, Bochester, N. Y., Sec'y.

Austria has issued a proclamation prohibiting the importation of American nursery stock. This action is taken in fear of San Jose scale.

R. C. BERCKMANS, Augusta, is a member of the Georgia National Guard and has transfered his attentions from growing stock to mowing Spaniards.

HERBERT OSBORN, State Entomologist for lowa, has issued a bulletin calling attention to the new law requiring the inspection of nursery stock. He asks the eo-operation of the trade in carrying out the purposes of the legislation.

Belleville, Kan.-E. Howard and Miss Minnie Noble were married at Goff, Kan., July 5. Mr. Howard will shortly engage in the nursery business here.

NEWARK, N. Y .- As a result of a quarrel Antonio Allen, an employe of C. W. Stuart & Co., nurserymen, stabbed James Burns, a fellow workman. The assault was committed when Burns' back was turned.

#### Plant Propagation for Parks.

A paper read at the Minneapolis meeting of the American Park and Outdoor Art Association by Fred Kanst land-cape gardener for the South Park's tem, Chicago

The subject of plant propagation for parks is one which is often brought before park officials for consideration, there being few parks throughout the country so well supplied with native trees and shrubs that none need be procured.

In the majority of parks, and especially small ones, it is usual to obtain plants by collection from the surrounding country, or by purchase from nurseries. In larger parks, where thousands of plants are required, it is very essential in order to obtain the best results, as well as for economical reasons, that a park nursery be established where such trees as the elm, oak, ash, linden, negundo, birch, maple, may be kept growing in a healthy condition until such time as they may be These trees when young can be purchased from nurseries very reasonably and when in nursery rows they can be had at any time they are wanted, thus saving delay, as the seasons of planting are usually short. Another advantage is that the trees will have become acclimated. But the principal object of a park nursery is to furnish quickly and in large quantities such varieties of trees, shrubs and plants as will be mostly used in the plantations, such as spiraras, cornus, ligustrums, philadelphus, ribes, sym-phoracarpus, lonicera, poplars and willows. These and many others may be readily increased from cuttings obtained from plants already about the park, by collection or by purchase.

A place for cuttings should be prepared in the fall by covering a piece of ground with manure or leaves to keep the trost out, sandy places being the best for the purpose Cuttings of about ten inches in length should be taken in the winter The old, tough wood does not root ensity. therefore cuttings taken from young, ripened woods repretendle. But the cut tings in the prepared ground, removing the leaves or in onnie as fast, as space is wanted. After the cuttings are in place the covering can be put back to prevent hard treezing as it is necessary to retain all of the vitality possible.

The planting into the park nursers

should begin when the heavy frosts are over, or about April 15, when most of the cuttings will have calloused in their winter quarters. A suitable piece of ground for the nursery can usually be found in some incompleted portion of the park. The ground should be well plowed and pulverized, and ample provision made for water. Cuttings should be planted in rows running north and south, so that the sun can penetrate between the rows, as they make better plants and grow straighter than if planted east and west.

For park purposes cuttings may be planted from twelve to fourteen inches between rows and from six to eight inches apart in the rows, or about 50,000 to the acre. One man with a good hand cultivator can attend during the summer about 100,000 plants. At one year old cuttings will have grown into fine stock ready for use in the plantations, and at that age the cost is very little compared with what it would beif the plants were allowed to grow another year or two in the nursery. They are easy to handle and only a small hole need be dug to insert the roots. In plantations where the ground is as soft as it should be one man ean put out about 500 per day.

The raising of their own plants, as before described, has been practiced by the South Park Commissioners for years past, and over 400,000 trees and shrubs, all grown in this way, are now in different parts of the park and all in finecondition. There are also 150,000 cuttings, which were made last winter, growing in the nursery at the present time, which will be ready for next spring's planting.

#### Worcester, Mass.

There has been no improvement in business during the last week although trade is up to the usual summer standard. Considerable funeral work has helped us in disposing of what flowers we are get-The supply has shortened considerably, but we are still producing all we require.

We need rain badly and unless we get it, and very soon, things will begin to be serious. Field crops are almost at a standstill and lawns are commencing to burn badly where the hose is not kept busy the greater part of the time. Carnations have done finely up to the present and a good soaking rain now would almost insure fine plants this fall.

Potter & Cousins, who have been run ning P. Gormley's old place on Cambridge street, have leased the Warner establishment at West Boylston and will make carnations for the department store here their principal crop. A. H. L.

BANGOR, ME.-Frank Casey, the landscape gardener, is making some very marked improvements in Forest Avenue

HOW TO GROW MUSHROOMS My 21 pp. books free to buses or intending buyers of spann; to others, therefore a supplement on out-door culture by No. 6. GARRAS in this port Aug 25. Prices on application of the at this port Aug 25. Prices on application (C. C. Watson, Juniper & Watnut Sis, Philo, Po.

### The Royal Tottenham Nurseries Ltd. A. M. C. Jongkindt Coninck

DEDEMSVAART, nr. Zwolle. NETHERIANDS.

Managing Director: A. M. C. VAN DER ELST.

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Hardy Perennials, Aquatics (especially new and scarce varieties), Azalea, Rhododendron, Hydrangea and Conifers, beg to announce that their catalogue containing a good many rare and new plants is in the course of preparation and copy may be had on application.

For Fall '98 and Spring '99 Delivery A SPLENDID ASSORTMENT OF

#### FIELD-GROWN HARDY ROSES

Clematis, Ornamental Shrubs and Trees, Pæonies, Herbaceous Plants, Small Fruits, Fruit Trees.

Price list ready in July. Special quotations gladly submitted by letter.

### Jackson & Perkins Co. New York.

PRIMULA-Florist strain, trade pkt. 50c; double trade pkt. \$1.00.
PANS1 - Mitting's Glant Flowering, florist strain, trade pkt. 50c; double trade pkt. 75c, or ½ oz \$1.00.
PANSY - German, trade pkt. 75c, or ½ oz \$1.00.
PANSY - German, trade pkt. 75c, or ½ oz \$1.00.

-00. -German, trade pkt. 25c; double pkt. 10c, or 0c: 1 oz \$2 00. PANSY -German, trade pat. 2007, 1 02 50c; 1 02 \$2 00. CINEKARIA Hybrida—Trade pkt. 50c; double trade pkt. \$1.00.

THE MORRIS FLORAL CO., Morris, III.

### ARDY SHRU

Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

SAMUEL C. MOON, Bucks Co., PA.

MORRISVILLE.

OUR SPECIALTIES ARE Azaleas, Roses, Rhododendrons

New and rare hardy plants for forcing. Novelties in Ferns raised by the largest London grower. The newest and best varieties of roses, it. P. and Ten scented, from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Caoada and New England States.

F. Brunton & Co. IMPORTERS & EXPORTERS OF NEW AND RARE PLANTS. 136 Boyleton St., BOSTON, MASS.

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### **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA. PÆONIES, PHLOX, IRIS, DELPHINIUMS,

JACOB W. MANNING The Reading Nursery, READING, MASS. ESTABLISHED 1854

### Surplus Stock

Can be disposed of by advertising. Try it.....

This Size "Ad." Costs Only \$1.00.

AMERICAN FLORIST CO., CHICANO.



A LIVE AND RELIABLE CORRESPONDENT WANTED in every live city in the world. We enable you to deliver flowers by telegraph. A profitable con-venience. For particulars, write

> C. B. WHITNALL, 438 Milwaukee St., MILWAUKEE, WIS.

#### Cleveland.

BUSINESS HAS REACHED THE LOWEST LEVEL OF THE YEAR. - RETAILERS INAUGURATE A SEMI-EARLY CLOSING MOVEMENT.

There is really nothing transpiring in florist circles here. Trade is at the lowest stage of ebbtide and is as dead as it possibly can be. Stock is in short supply and of poor quality and the only business in hand is the preparation for the approach-

ing fall season.

The florists who conduct retail stores have arranged to close evenings at six o'clock until the season opens. This is a step in the right direction. It is to be This is a hoped that all will see the benefit arising from such a move and maintain their position. It does certainly seem as though the average florist works a great deal longer hours than would be necessary if they could all agree to close as other stores do. It is purely a matter of educating and accustoming the public to get their flowers at reasonable times instead of causing them to harbor the impression that a florist's establishment can be found open at any time, like an all night restaurant.

#### Converting a Steam Boiler Into a Hot Water Heater.

ED. AM. FLORIST:-I would like to ask through your paper how a Furman No. 3 can be converted into a hot water boiler? L. G. G.

The principal difference between a steam and hot water Furman boiler is in the size of the outlets and inlets, which are much smaller in the steam boilers. The steam boilers also have a safety valve, water column, etc., which should be taken off and the openings plugged The regular tapping for a Furman No. 3 steam boiler has two 2-inch outlets and one 2-inch inlet. The outlets will answer for 400 square feet of radiation, and rather more if the flow pipes are increased to two and one-half inches at the boiler. It will be even better if the outlets are tapped to two and one-half inches. For tapped to two and one-half inches. the best results the returns should be of the same capacity as the flows, and it will be desirable to have a 2-inch inlet to each of the outer rear sections in addition to the one now in thecenter section. If the outer sections cannot be tapped, or replaced by sections made for hot water they can be taken out, connecting the returns and the dome of the heater with ordinary black pipe. As this will cause considerable expense it may be best, in case the radiation does not exceed 400 square feet, to use a closed system under twenty pounds pressure and connect with the present 2-inch inlet. The main returns should be of the same capacity as the flows until they reach the boiler.

L. R. TAFT.

#### Saginaw, Mich.

One of the leading florists of this city was recently the victim of an unquestionably smooth swindle by an Englishman, "you know," who was about thirty to thirty-five years of age, medium complexion, about five feet six inches tall, smooth face, weight about 160 pounds, and of a workingman-like appearance. His little scheme is to order for a prominent citizen, one of our customers, a number of palms for a few days (in this case it was about one dozen valued at about \$30), to be used for decorative purposes.

Previous to ordering the stock he

obtains permission to place the plants in aforesaid prominent citizen's yard by saying that he has bought a lot of flowers and wishes to sell them in the neighborhood, but not having a wagon of his own is obliged to ask a place where he can leave them in safety for a few minutes. On the arrival of the wagon with the palms, for which he has been watching patiently, he tells the boy to drive around in the back yard with them, saving that he has to wash the pots before taking them into the house. As soon as the wagon has gone he sells the stock to the neighbors at any price he can get. This is the last seen of him, and the florist's chagrin can be better imagined than described when he goes after his palms and finds that he has been cleverly swin-

Since this was worked on me I have found that the scheme has recently been used extensively in other parts of the country and several times in Michigan within the past two weeks. If any florist should have any dealings with a stranger of the above description he will do the undersigned a great favor by having the police authorities hold him and communicate with the authorities in Saginaw, who hold a warrant for his arrest on the charge of obtaining goods under false pretence, and greatly oblige,

А. Уістім.

### Orchid

JUST ARRIVED IN FINE SHAPE: Cattleya Warnerii, Ladia Perrinii, Laphronites Grandiflora and Coccinea, Miltonia Spectabilis and many more.

LAGER & HURRELL. - Summit. N. J.

### <u>Ż</u>WWWWWWWWWWWWWWWWWWW

SEEDLINGS ALL SOLD.

Fine Plants, \$8.00 per 100. Sample by mail 10 cents.

Fine Plants, \$8.00 per 100. Sample by mail 10 cents.

American Rose Co., Washington, D. C.

ASPIDISTRA Lurida fol. var. just now in good condition without heaves, good roots with sprouls, \$6 per 100; sample, 90e per doz. postpaid. Canna "F.orida" for trial 10 cents.

Asparagus Sprengerii Seed.... 1 100, \$1.60

Pampas Grove Nurseries, Greenland P. O., Florida.

### Rose Hill Nurseries

LARGEST Growers of Palms, Orchics Stove and Greenhouse plants, Ferns, Arancarias, Pandanus .....

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

IN BEST ....VARIETIES.

CARNATIONS, for fall delivery. CHRYSANTHEMUMS.

SMILAX.
Prices low. Send for list. VIOLETS. WOOD BROTHERS, FISHKILL, N.Y.

SMILAX, from 2-inch pots \$1.50 per 100; \$13.00 per 1000. HYDRANGEA Otak-a, from 3-inch pots \$3.00 per 100, GERANIUMS, from 2-in. pots \$2.25 per 100, \$20 per 100, 3-in. pots, \$3.00 per 100; \$20 per 1000. " 4-in. pots, \$6.00 per 100; \$50 per 1000. Cash with the order. Send for samples. FRED. BOERNER, Cape May City, N. J.

When writing mention the American Florist

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### For Florists' Forcing.

White, shaded with beautiful rose pink. Best selling Tulip in the market last season. Bulbs ready in September. 3 Write for prices.

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**NEW YORK:** 14 Barclay Street,

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PTERIS TREMULA, strong, ready to shift to 4s. \$3.50 per 100; \$30.00 per 1000.

N. EXALTATA (Sword Fern).....\$4.00 per 100

N. EXALTATA Bostoniensis.....\$5.00 per 100

N. CORDATA.........\$6.00 per 100

N. DAVALLIOIDES Furcans.....\$10.00 per 100

R. WITTERSTAETTER, Sedamsville, O.

### CHINESE PRIMROSES

20,000 PRIMROSES, single mixed, 2-inch......\$2.00 **SMILAX**, 214-inch pots.....\$5.00 per 1000, .75 **ALTERNANTHERA**, Red and Yellow...... 1.00 

JOS. H. CUNNINCHAM, Delaware, O. •=================

### 2000 Smilax

First-class 3-inch stock, \$2.50 per 100; \$20 per 1000.

THE E. HIPPARD CO.,

.....YOUNGSTOWN, OHIO. ¥aaaaaaaaaaaaaaaaaaaaa

25,000 Smilax plants out of 2 inch pols ready for immediate planting at the lowest price ever yet quoted. \$1.00 per 100: \$8.00 per 1000. Cash with order.

Bear in mind this is strictly first-class stock and there is a large saxing in freight, buying out of 2-inch pots. First come, first served.

South Side Floral Co., SPRINGFIELD.

It is good business policy to mention the

#### ....American Florist

when you write to an advertiser.

#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION

EVERETT B. CLARK, Pres.; Jos. A. BOLGIANO, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec. y and Treas.

HENRY A. SALZER has returned from a trip to the Idaho gold mines.

11. M. Wall, of Brooklyn, N. Y., is gathering in numerous orders for catalogue covers.

HOWARD M. EARL, with W. Atlee Burpee & Co., has returned from his California trip.

N. SLUS and son, of Sluis & Groot, Eukhuizen, Holland, passed through Chicago on their way east from a Pacific coast trip.

FIRST Lilium Harrisii bulbs arrived in New York July 11. It is a disputed point whether earliest or prematurely dug stock is of any real advantage to the florist over those which are allowed to fully mature in the ground.

At its recent convention the American Seed Trade Association passed appropriate resolutions upon the death of Reinhard Maitre and F. E. McAllister, two old and valued members who had gone to their reward since the previous annual session.

MINNEAPOLIS, MINN.—S. Y. Haines has made application in the district court for a receiver for the firm of C. H. Lippincott, of which he is a member. Haines alleges in his application that Carrie H. Lippincott has excluded him from the management of the business, a function which he was to exercise under the terms of their partnership agreement. Judge Harrison has issued an order restraining the defendant from disposing of any of the firm's property pending a settlement. The assets are valued at \$3,000.

#### Californian Crop Prospects.

Eb. Am. Florist:—I find celery is nearly a tailure. Lettuce very poor, acreage light. Onion there is not growing thirty per cent of the usual acreage; will not yield 150 pounds per acre. Salsify a fair crop. Radish crop very light; much destroyed by lice and birds. Carrot will not harvest over one quarter crop. Spinach extremely light. Sweet peasmuch shorter than heretofore reported; leading varieties such as Blanche Ferry, Countess of Radnor, Blanche Burpee and Mrs. Gladstone are nearly a failure. The sweet peas now being harvested will not thresh out an average of 100 pounds per acre. I believe that October must see higher values than now prevail on many California products. Some contractors of sweet peas will be unable to make deliveries from 1898 crops.

deliveries from 1808 crops. Chys. P. Brashays. San Francisco, Cal., July 11.

Under date of July 14, C. C. Morse & Correpent. "Omon crop promises full average, but a reage not over twenty per cent of last year. Present holdings of 1897 (rope are very small owing to the heavy den and in the spring. Some growers hold 1896 yeed, which is undesirable. Celery and arror are full, but the acreage is quite small. Lettuce below the average radishes poor, spinach rather short, sweet peas shorter than anticipated, especies the standard varieties."

### FREESIA BULBS!

WHITE GIANT FLOWERED
"Bermuda" Grown. & New Crop Now Ready.

From careful inspection by our representative in the growing fields during the past season, we believe this "BERMUDA" stock to be the purest giant flowering strain of White Freesia in the world.



### LAST CALL

To obtain lowest "import" prices on all Fall Bulbs orders should be placed AT ONCE.....

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A Few of OUR SPECIALTIES: "London Market" Brand Lily of the Valley Pips,

Japan Lilium Longiflorum, Lilium Harrısii, Azalea Indica and Bermuda Grown Freesias.

### LILIUM HARRISII | READY

(tndispensable for Early Forcing)
AS Healthy as Grown on the Island

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SOON.\*

PRICES LOW, CONSISTENT WITH QUALITY.

### Vaughan's Seed Store,

Headquarters for "Fancy" Bulb Stock,

CHICACO: NEW YORK: 84-86 RANDOLPH ST. 13 BARCLAY STREET.

### COLD STORAGE VALLEY ALWAYS ON HANO.

CASES of 2500 pips, extra quality, \$25.00; per 1001, \$12.00. CASES of 3000 pips, good quality, \$25.00; per 1000, \$10.00.

CLUCAS & BODDINGTON CD., 501 & 503 West 13th St., NEW YORK CITY.

"BEST OF ALL" TOMATO
"ENGLISH" MELONS
(FOR FORCING)

FLOWER SEEDS FOR FLORISTS
Catalogues on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK, N. Y.

OUR CLAIM FOR SPECIAL EARLY DELIVERY SUBSTANTIATED.

### HARRISII ARE IN.

For early planting write us.

W. W. BARNARD & CO., 161 Kinzie St..
Mention American Floriat.

#### BURPEE'S SEEDS PHILADELPHIA.

Wholesule Price List for Florists and Market Cordeners

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### SEED CLEANING Machinery Fixtures FOR SALE!

i No. 5 Monitor Dustless Paa and Bean Separator.

45 Pontiac Picking Machines.

1 25 H. P. Thomson-Houston Motor.

Shafting, Belts, Pulleys, etc., for operating the above.

6 Platform and Counter Scales. For further particulars and prices address

A. J. M. JOINER

12 No. Clark St., - CHICAGO.

# BAGS COTTON SEAMLESS, BURLAPS, ETC. SECOND HAND BAGS BOUGHT AND SOLD. CINCINNATI BAG CO. Second and Walnut Sts., CINCINNATI. Q.

### The Only Machine

on the market for automatically filling and scaling seed packets.

The Brown Bag-Filling Machine Co. FITCHBURG, MASS., U. S. A.



### TRY DREER'S GARDEN SEEDS, Plants, Bulbs & Regulsites.

Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadeiphla, Pa.

Please mention the American Florist

# Now Ready!

The American Florist Company's

| \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ | \$33333333<br>\$33333333 | ###################################### | \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ |
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FULLY REVISED TO DATE

WITH UPWARDS OF

3,000 NEW NAMES

# DIRECTORY

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Florists, Nurserymen And Seedsmen

Of the United States and Canada arranged both by States and Post Offices and all names Alphabetically. ww.PRICE.ww

\$2.00

IN FLEXIBLE LEATHER BINDING, \$3.00.

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| 1000      | 000     | 100                  | W        | N/B      | 100        | 100      | 000      |
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### American Florist Company

324 Dearborn Street,

CHICAGO, ILL., U. S. A.

#### St. Paul.

SUMMER INACTIVITY FOLLOWS THE MOST PROSPEROUS SEASON IN MANY YEARS. CONDITION OF STOCK .- GROWERS ARE PREPARING FOR THE FALL CROP.-PER-SONAL GOSSIP.

The summer dullness settled down upon the trade in this section about the first of July, and the monotony is only occasionally interrupted by funeral orders or a wedding.

Some Kaiserins and Meteors from new plants are being cut and are fairly good. Beauties also are of fair quality and retail readily at \$3 to \$4 per dozen. Bride, Bridesmaid and Perle are scarce and poor. Some very good carnations are still being cut and the quality was never excelled at this season of the year. Daybreaks fade quickly but are popular nevertheless. Scarlet carnations are searce and in brisk demand. Auratum, album and rubrum lilies are in good demand, being used mostly for funeral work. There are no longiflorums in market but our growers will next season carry over some of these valuable lilies for summer blooming. Sweet peas are now abundant and of extra good quality. Ample moisture with warmer weather has brought outside stock along in fine shape.

The growers are now making repairs, planting roses and chrysautheniums and getting everything in shape for another season's business. While we hear of no extensive building improvements. Nearly every one is making some repairs. The season just past has been the most prosperous for many years and several mortgages have been lifted in consequence. There is a big demand for roses and earnations which cannot be supplied at home and another good season seems in sight.

J. Hoitomt, formerly in the business here, has enlisted in the army.

C. Anderson, doing business as the "Hill Florist," has disposed of his store fixtures and discontinued.

Aug. Vogt, Otto Hieserlborn and C. F. Haupt were recent visitors at Milwaukee. E. F. Lemke is building a new office and store room.

C. Bussjaeger has his new rose houses about completed.

R. C. Seeger will build a violet house this season.

Messrs. Sluis and son, of the seed firm of Sluis & Groot, Eukhuizen, Germany, were recent callers on the trade here. FELIX.

#### Filling Greenhouse Benches.

Referring to recent correspondence on this question, Mr. John Burton writes as follows:

Our houses are all built with the center walk opposite the door; this walk we use for taking ont and putting in the soil. For doing this we use wheelbarrows, which we can empty directly into the center tables on each side of the walk we are wheeling on. The front and back tables on the outside of the house are generally small, and we shovel the soil into these from the center tables. I think this plan the quickest I have seen for taking in soil. We can, with ten men, fill the benches in a house 150 feet long by 21 feet wide, in one hour and fifteen min utes. To do this the men have to work very hard, which they seem to prefer rather than have so hot a jobdrag along for several hours, we of course appreciate this, and allow them an extra half beau or so on such days.

We find that the taking out and the putting in of the scal does not occupy so much time as the cleaning up and get

ting ready for the new soil. We think this should be thoroughly done. After the old soil is out, we carefully scrape off all that remains on the benches with trowels and hoes, then sweep thoroughly, do any repairing necessary to the benches and afterward put men or boys under the benches to scrape out the loose soil wherever it may be found in the house. We then whitewash thoroughly with a thick coat all the woodwork in the house that is not painted. Then we sprinkle air-slaked lime on the floors all over the house. If the house is not adjoining other houses with plants in them, we burn five or six pounds of sulphur in it, with the hope of killing any insects that may be left, and then consider it ready for the new soil.

### EXTRA Clean Stock!

#### Kentia Belmoreana

6-in., 5 to 7 leaves.....\$15 to \$24 per dozen. 5-in., 5 to 6 leaves..... 12

#### Kentia Fosteriana

6-in., 5 to 6 leaves.....\$12 to \$18 per dozen. 5-in., 4 to 5 leaves..... 9 to 12

FIELD CARNATIONS...

A fine lot will be ready for Sept. delivery.

### THE COTTAGE GARDENS

QUEENS, N. Y.

### VERY CHEAP AND FINELY SHAPED **BELGIUM PLANTS**

AZALEA INDICA, very fine stuff, well budded, £3, £4, £5 to £20 per 100.

AZALEA RUSTICA, flure pleno (double), well budded, £4, £5, to £8 per 100.

AZALEA MOLLIS, bushy plants, well set with buds, £2, £3 to £5 per 100.

AZALEA MOLLIS, hybrid (single rustica), well set with buds, £3, £4 £1 to £8 per 100.

RHODODENDRONS, grand stuff, well set with buds, £3, £4 £5 to £8 per 100.

Palms, Dracænas, Aspidistras, etc., etc. Ali the above are of the best unrivet varieties.

### JEAN BRACKE, The Nurseries

LOOCHRISTY, nr. Ghent, (BELGIUM).

### E. G. HILL & CO.,

RICHMOND, INDIANA.

### Cycas Revoluta Stems

Popular sizes, 3 to 6 lbs each. ..... 10 c(s. per lb. Please Mention the American Florist.

Azaleas

THE FINEST STOCK IN THE WORLD

Palms

SANDER,

**Bay Trees** 

BRUGES, BELGIUM. AGENT

A. DIMMOCK. Araucarias 60 Vesey Sl., NEW YORK.

### 10,000 LATANIA BORBONICA...

3-inch pots, showing two character braves, fine stock, ready for 5-inch puts, \$9.00 per 100; \$80.00 per 1000......

### 5,000 Latania Borbonica

4-inch pots, with two good full heaves. Strong plants ready for 6-inch pots. \$12.50 per 100; \$110 per 1000.

### Sago Palms

Fine stock, good leaves, \$3.00, \$4.00, \$5.00, \$6.00 per dozen and upwards. This is the best money making palm

in the market.

Will send samples of any size on receipt of price.

All the above stock must be sold at once on account of removal.

### ritchell's

order, please.

Cincinnati, Ohio.



.....

All kinds PHOENIX SEEDS

A New Shipment of ..... Kentia Belmoreana and Forsteriana will arrive in a few weeks.

J. L. SCHILLER 404 EAST 341h STREET.

THE FINEST WINTER FLOWERING PLANT OF THE CENTURY

### Begonia Gloire de Lorraine

This fine variety keeps up a succession of bright rosy pink blossoms throughout the Winter, and is invaluable for florists' work. H. B. May, who was the first to bring this striking novelty into popularity, holds the linest stock in the world. Price \$20.00 per 100, packed free. Orders for export carefully packed.

H. B. MAY, Oyson's Lane Nurseries, Upper Edmontan, London.

### COCOS WEDDELIANA.

t plant 4-in, pot 15-t8 inches high, 40c t plant 5-in, pot 21 inches high,

JOSEPH HEACOCK, WYNCOTE.

Philadelphia, Pa.

### **ASPARAGUS**

50,000 plants in 2%-inch pots, \$5.00 per 100, Npress; 24 for \$1.50 by mail..... Specimens for 8-inch pots, \$6 per 12.

A. BLANC & CO.

PHILADELPHIA. 



1898.

# To Make a Ten Strike Start Your Ball Right. The Barnard's Purchasing Department for Florists furnishes information about lowest factory prices on Glass, Pipe, Fittings, Paint, Tools, and other material used by florists. We have already saved our friends hundreds of dollars on such merchandise and thereby earned the good will of the trade. It is an accommodation worth while considering. Write and investigate. OUR SPECIAL PRICES on Fall Bulbs can be had for the asking. We have a reputation for high grade stock, and sell it at a very close 100, \$75.00 per 1000. Freesia Refracta Alba (Bermuda grown), 65c per 100, \$37.50 per 1000; 7-9 \$8.00 per 100, \$75.00 per 1000. Freesia Refracta Alba (Bermuda grown), 65c per 100; \$5.50 per 1000. Oxalis Bermuda Buttercup, \$1.25 per 100, \$8.50 per 1000. Fancy strain of Primula, Cineraria and Calceolaria, 50c per trade package. PANSIES, Barnard's Florist Mixture, trade pkt., 25c; 1-8 oz., \$1.00, ready now. SPECIAL PRELIBITION W. W. BARNARD & CO., E. KINZIE ST. CHICAGO.

#### **MEXICAN BULBS**

We are booking orders for Fall delivery of Amaryllis, Milla Bessera, Cyclobothra, Tigridias, etc. Send list of wants for estimates. Catalogue firms will find these bulbs cheap for arranging attractive collections.

Cacti and Orchids—We keep a supply the year round for attending to orders from florists.

Maxical Parrots—This is the last mouth we receive orders. Double Yellow Heads, \$10 per doz; Red Heads, \$15 per doz. Florists dealing in birds will find these cheap import prices.

J. A. McDOWELL, P. O. Box 167, City of Mexico.

### Jutch Bulbs

HYACINTHS, TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO.,

Hillagom, Holland.

American Representative

L. C. BOBBINK, Rutherford, N. J. ASK FOR CATALOGUE.

RS FOR FLORISTS...

**VAN ZANTEN BROTHERS,** HILLEGOM, HOLLAND.

...SEED...

Greatly improved and well-known to be of the very finest grown. Packets put up specially for Florists, of best single and double varieties. 400 seeds. \$100; ½-pkt., 50c. Planis ready in August. at \$2.50 per 100. Cineraria seed of large flowering dwarf varieties to colorest mixture, pkt., 250c. 9 pkts., \$10.0 Primula obconica, pkt., 1000 seeds. 35c. Primula floribunda, fine yellow, pkt., 25c. JOHN F. RUPP. Shiremanstown, Pa.

### Now Ready

THE American Florist Company's DIRECTORY of Florists, Nurserymen and Seedsmooth to United States and Canada arranged both by States and Post Offices and all names Alphabetically. Fully revised to date with npwards of 3,000 New Names, Price \$2.00; in flexible leather binding, \$3.00.

American Florist Company,

324 Dearborn St., Chicago, Ill., U. S. A.

### **NEW** CROP

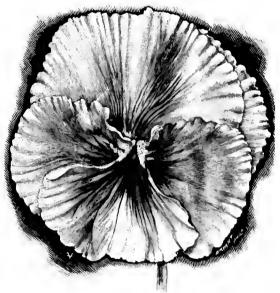
#### VAUGHAN'S

### International Mixture"

Received the only reward for Mixed Pansies at the World's Fair. It is today better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price, per oz., \$10; 1-2 oz., \$5; 1-8 oz., \$1.50; tradepkt., 50 cts. (less 10 per cent for cash.)

### VAUGHAN'S

This mixture is specially made up by us from all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be hadin any other way. If your trade demands large flowers there is no better mixture. Price, per oz., \$4.00; 1-4 oz., \$1.25; 1-8 oz., 70 cts.; large trade pkt., 50 cts.



#### SPECIAL MIXTURES

We shall be pleased to make special mixtures for florists who have preferences in the composition and proportions of colors and types. \*

GIANT TRIMARDEAU, Mixed, oz., \$1.00; ½ oz., 30c; pk., 10c.
"CHICAGO PARKS BEDDING" MIXTURE, oz., \$1.00; ½ oz., 30c; pk., 10c. SEPARATE COLORS. - For price of these see Special Pansy Seed Circular, sent on application

### VAUGHAN'S SEED STORE

NEW YORK: 14 Barclay St.

84 & 86 Randolph St., CHICAGO.

#### Helpful Reminders.

If you have hydrangeas in pots, they should be given plenty of elbow room, a top dressing of fertilized earth and plenty of water. They are best set on the ground or in pots sunk in the ground, as benches become too dry and hot in ordinary houses. Hortense T. Hoyt and such varieties that have been blooming are in most cases of no value now except for next season's use and it is best to cut them back. Shake out most of the soil and re-pot with good rich soil, light enough in its texture to insure good drain-Where the plant has made a strong arre. growth and increased in strength give it a size larger pot; where they have not become not bound put them back into the same pot: place in a position pro-tected from wind and they will make a growth now which will form the most desirable buds for next season's development. As the leaves turn color in fall, water should be withheld to gradually dry them out for storing in a cool house. Such plants will be just right for Easter blooming without further treatment more than an increase of temperature and water. For later blooming, it is well to select some of the best plants and give them a shift just before buds begin to expand; it is safer than relying on applications of liquid manure and careful watering of a plant which is in any way crowded at the roots. The cuttings taken off at this time are worth caring for if you wish to increase your stock. Select only the perfectly healthy branches, put them directly into small pots, plunge in a spent hot-bed and shade lightly. This insures them constant moisture and a temperature more uniform than an ordinary cutting bench. When well rooted they can be dried off and placed with other plants. They will make good single blooming specimens for next season.

It is well to start bouvardias now and a bench on which Perle roses do well will be satisfactory for this useful but neglected plant. It is common to plant out and move in, as carnations are handled, but they are hetter for being started on benches no later than now. They require good soil, careful staking and considerable pinching back at first, and red spider will take possession if you do not water them properly.

Old plants of euphorbia, poinsettia and such like should be given fresh soil and started into growth now. The difficulty commonly experienced with these plants is in maintaining an even temperature during September and October before firing is commenced. They will turn yellow and drop their foliage it not kept warm and will not be worth the space they occupy, but, like many pretty things, they are so much better for the proper treatment that you ought to arrange one house with which to meet the requirements of such stock.

It is now time to sow several perennials you have use for them. The best if you have use for them. method for arranging a supply for most florists is to prepare one or two long beds of good rich soil and sow the seed in open ground in rows, selecting such varieties as you have most use for, Choose the time that they bloom and form seed and sow themselves as this will always fulfill their requirements and they will adjust themselves for their winter's sleep together, no matter what the varieties are. They can all be covered with leaves and you will not have any care of them until April, when you can uncoverand lift a few of each variety into pors for late spring sales. C. B. W. for late spring sales.

### YOUNG

PLANTS

From 2 1-2 inch Pots. Only a few more select ones left.

| Pe                        | r 100 | Per 1000 |
|---------------------------|-------|----------|
| 1500 AMERICAN BEAUTIES\$4 | .00   | \$35.00  |
| 2000 BRIDES               | 2.50  | 20.00    |
| 1500 METEORS              | 2.50  | 20.00    |

WRITE US FOR SPECIAL PRICES ON WHOLE LOT. TERMS CASH WITH ORDER.

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO CHICAGO, ILL.

### ROSE PLAI

#### AS GOOD AS CAN BE GROWN

We have the following Rose Plants, the same stock as we have planted in our own houses, still on hand and for sale. We guarantee them to be first-class in every respect.....

| 3000 | Am. Beauties | 21i       | n. pots | \$5.00 |
|------|--------------|-----------|---------|--------|
| 2000 | Bridesmaids  | $.21_{2}$ |         | 2.50   |
|      | Meleers      |           |         | 2.50   |
| 500  | Brides       | $21_{2}$  |         | 2.50   |

FIRST COME-FIRST SERVED.

### WASHBURN,

BEAUTY, Bride, Bridesmaid, Perle, La France, Testout, Morgan, Niphetos, Kaiserin, 3 and 4-inch. AMERICAN MARIE LOUISE VIOLETS, young plants, well rooted. Asparagus Plumosus, all sizes.

A. S. MacBEAN, Lakewood, N. J.

#### ROSES BEAUTIES,

3-inch, \$6 per 100; \$55 per 1000......

MAIDS, BRIDES, METEOR \$5.00 per 100......\$45.00 per 1000 4-inch stock.....\$6,50 per 100.

POEHLMANN BROS. Morton Grove, Cook Co., III.

### 5555555555555555555555555

AM. BEAUTY

per 100: 805 per 1000. cetpt of 100 in stamps. Cash with order.

John B. Goetz 2165 Mackinaw St., Saginaw, W. S., Mich. Saginaw, W. S., Mich. (

#### ROSES! ROSES!

Brides, Maids, Kaiserin and Meteor from 2-inch, \$3.00 per 100; \$25.00 per 1000. Brides and Meteor, from 3-inch, \$5.00 per 100; \$45.00 per 1000.

5.00 per 1009. 50 at 100, and 500 at 1000 rates. Cash with order.

ROBERT F. TESSON,

St. Louis. Mo. West Forest Park,

#### AMERICAN BEAUTY

Fine young plants, healthy and strong. 21<sub>2</sub>-inch pois, \$8.00 per 1000, \$70.00 per 1000.

ICDIVIN LONSDALE, Wyndmoor, Chestnut Hill, itteorder. PHILADELPHIA, PA Money Order Office, Station H, Phila

### Chrysanthemums!

and standard varieties. Extra file Is from 2-meh pets. Send for price Discount on hirs corders.

H. WEBER & SONS, Dakland, Md.

Please mention American Fiorist.

### ROSES Clean, healthy plants from 3-inch pots, \$5 per 100.

..\$5.00 per 100

JOSEPH HEINL, Jacksonville, III.

### Memorial Kose

(Rosa Wichuraiana)

Strong field-grown plants, \$50, \$75 and \$100 per 1000

SAM'L C. MOON. MORRISVILLE, Bucks Co., PA.

### ROSES..

2-in. per 100 3-in. per 100

Am. Beauties . . \$5.00 Perle . . . . . . . \$2.75 4.50 Bridesmaid ... 2.75 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

### CHOICE 3-INCH

For Immediate Planting. Fine stack, which will make you money. Writent once. Also some extra nice 3-inch METEORS, and some good BEAUTIES and BRIDES. Samples on receipt of 25 cents in stamps

W. H. GULLETT & SONS, Lincoln, III.

#### Jubilee and Flora Hill - In 3-inch pots.... #4.00 per 100.

BELLE SIEBRECHT, \ In 3-in. METEORS AND BEAUTIES .\* | Pots MAIDS IN 2-INCH POTS.

PEKIN, ILL. GLO. A. KUHL, ~



American Beauty, Carnot, and Testout from 4-inch pots, in extra fine shape of \$15.00 per 100. Bridesmaid, extra fine, 3-inch pots of \$15 per 100. Bridesmaid, extra fine, 3-inch pots of \$15 per 100. \$125.00 per 1000. Also the following varieties, not grafted, but strong vigorous stock, American Beauty, 3-inch of \$10.00 per 100; \$80.00 per 1000. Bride, Bridesmaid, President Carnot, Kaiserin, Meteor, La France, Perle, Mrs. P. Morgan, Wootton: These are extra large plants in perfect condition from 3-inch pots of \$8.00 per 100. If you want a large lot, write us for special price and samples of \$2.00 per 100. Strong 3-inch plants of \$6.00 per 100. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000. Strong 4-inch plants of \$6.00 per 1000. \$50 per 1000 

FIRST-CLASS, CLEAN, HEALTHY STOCK &

We claim GOOD VALUE at these prices. Send 
 We claim GUUU VALUE at these prices.
 Send for samples.

 2½-in. per 160
 3½-in. per 100

 American Beauty
 \$6.00
 \$12.00

 Papa Gontier
 4.00
 10.00

 Pres. Carnot
 4.00
 10.00

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 4.00
 10.00

 Pres. Carnot.
 4.00

 La France.
 4.00
 10.60

 Mlle. Helena Cambier.
 4.00
 10.00

 Kaiserin A. Victoria.
 4.00
 9.00

 Perle des Jardins.
 3.50
 9.00

 Brides.
 3.00
 8.00

 Bridesmaids.
 3.00
 8.00

 Meteors.
 3.00
 8.00

 Mosella.
 3.00
 8.00

 Mosella.
 3.00
 8.00
 Asparagus Sprengeri, 2-in. pots. strong...per 100, \$5 60
Asparagus Plumosus, 2½-in. pots, fine stock 7.00
Buston Fern 2½-in... 15 00
Rephrolepis Exatiata, 4-in... 15 00
Ferns in assortment, 2½-in... 15 00
Ferns in assortment, 2½-in... 15 18-in. high @ \$1 50 each
Cocos Weddellana, 3-in. pots ... @ \$2 50 per doz.
Kentlas, Arecas, Lataplia, etc., large quantities in all
slzes. Write for Special Prices, on sizes yon want.

#### VAUGHAN'S SEED STORE,

CHICACO: Creenhouses: Western Springs, III. 84-86 Randolph St.

### SURPLUS STOCK.

| Per 100                                  |
|------------------------------------------|
| PERLES, 3½-inch, very strong\$5 00       |
| BRIDESMAIDS, 3-inch, very strong 4.00    |
| SMILAX, 3-inch                           |
| DRAC,ENA INDIVISA, 2-inch 1.50           |
| WATER HYACINTHS\$1.00 per doz.           |
| Will have some good MARIE LOUISE and     |
| CALIFORNIA VIOLETS out of 3-inch pots to |
| sell. Write for prices.                  |

All stock perfectly clean. Cash with order from unknown parties.

JOS. M. SMELY, Successor to Roscoe Saunders. 354 S. FOURTH ST., AURORA, ILL.

### FORCING ROSES

|                      | 256-1n .                | 336-In. |
|----------------------|-------------------------|---------|
|                      | Per 100 Per 1000        |         |
| BRIDE                |                         |         |
| BRIDE3MAID           |                         |         |
| METEOR               |                         |         |
| White, Pink and Yell |                         |         |
| F2D (N): Altern      | inntheras \$18,00 per 1 | 1000.   |

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Per 100 Per 1000 AMERICAN BEAUTIES......\$5.00 \$45.00 METEORS.... ..... 3.00 25.00 MAIDS..... 3.00 25.00 25,00

WIETOR BROS. ROGERS PARK FLORAL CO.

Wholesale Growers of ....

**CUT FLOWERS** ROSE PLANTS....



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INCH POTS.❖

### 40,000 FIRST QUALITY FORCING ROSES. PLANTING.

METEOR PERLE BELLE SIEHRECHT.

J. L. DILLON, Bloomsburg, Pa

### Surplus Koses

Brides, Bridesmaid, Perles and La France; fine healthy stock (11 \$4 per 100: 4-inch pots, \$6.24.24

CRABB & HUNTER, 509 Madison Ave.

### RUSES.

About 4000 good, healthy plants, in 4½-inch pots,

AMERICAN BEAUTY, BRIDES and MAIDS. M. MCNULTY,

MADISON, N. J.

Strong, healthy stock such as we use for our own planting.

300 PERLE 175 SUNSET 100 METEOR 300 SIEBRECHT 135 Pres. CARNOT 400 TESTOUT 150 BRIDESMAID

3-inch pots, \$5.00 per 100.

300 BRIDE 500 PERLE

2-inch pots, j \$3.00 per 100.

L. L. MAY & CO., St. Paul, Minn.

### Surplus,

Clean, Healthy Stock.

|            | ttiaa4-inch.     |
|------------|------------------|
| 200 Poinse | inch. ولا atties |
| 175 Roses. | Perles4-inch.    |
| 300 "      | Niphetos4-inch.  |
| 100 "      | Brides 4-inch.   |
| 500 "      | Maids4-inch.     |

CHAS. FRUEH, 1116 Hoyl St., Saginaw, Mich.

#### Omaha.

PREPARATIONS FOR THE GREAT CONVEN-TION BOWLING MATCH.—KRUG PARK THE SCENE OF THE SPORT.—CHOOSING OMAHA'S REPRESENTATIVE TEAM.

The bowling florists met Tuesday evening, July 5, to consider methods of choosing players for the team to represent Omaha in the big championship contest at the S. A. F. convention, and the following plan was adopted: It was agreed that the six players making the highest scores in the next fifteen games be the team, and the individual making highest score during this series be captain. Krug park, a pleasant suburban retreat, was chosen as the place to test the skill of the players. This park is pleasantly located on high ground and has a fine bowling alley, new and in tip-top condition. It is above ground and the pleasant Nebraska breezes fan the players as they

Three games of this series were played July 11 and the following were the scores

| mac.             | 1   | 2   | 3    | Avc.  |
|------------------|-----|-----|------|-------|
| Louis Henderson  | 167 | 136 | 122  | 142   |
| J. II. Hadkinson |     | 146 | -129 | 134   |
| A. Donaghue, Sr  |     | 102 | 167  | 133   |
| G. Swoboda       |     | 103 | 145  | 133   |
| L. C. Chapin     |     | 123 | 146  | -132  |
| I. Wilcox        |     | 127 | 130  | 131   |
| W. R. Davey      |     | 141 | 136  | -127  |
| J. A. Shaw       | 171 | 111 | 97   | -126  |
| Geo. Zimmer      | 113 | 106 | 106  | 108   |
| to seen by above |     | - 1 | Hend | erson |

As seen by above, Mr. L. Henderson holds first place and Mr. J. A. Shaw the honor of highest score made. Considerable interest was added to this series by A. Donaghue, Sr., putting up a fine gold headed cane for the highest score, which J. A. Wilcox promptly offered to match with a silk hat. Monday evening of each week was chosen as the time for these

J. Austin Shaw is at the exposition in charge of Siebrecht & Son's exhibit of palms and plants, the only display of this haracter made by any florist east of the J. 11, 11. Mississippi.

DETROIT, MICH.-A. Strittmatter, the city florist, has a very pretty piece of work in the bedding about the city hall. The plants used in the work are said to have a value of \$6,000. There are some splendid specimens of palms, a rare collection of eacti, hundreds of cannas and whole regiments of geraniums and other bright bloomers. The lettering about the soldiers' monument is another of florist Strittmatter's successes.

### GERANIUMS

Bruant, Pilot, Emile de Girardin, Mrs. Hayes, Chevalier, 3% and 4-inch justs 40 (4) per 100 Gold Bronze, \$5,000. ELLOW ALTERNANTHERA, 25-mech \$3,00 per 100 EGONIA VERNON, time 3-mech \$6,00 per 100.

RNON, time 3-minh \$6.00 per 100.
WILLIAMS BAY FLORAL CO.,

Williams Bay, Wis.

### MARIE LOUISE VIOLETS

ROOTED RUNNERS

\$2,00 per 100.

\$15.00 per 1000.

I. B. COLES

WOODSTOWN, N. J.

FIELD CARNATIONS.

GEO HANCOCK & SON, Grand Haven, Mich

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SEND FOR REASONS WHY THEY ARE THE BEST.

...SMILAX... ...PLANTS... Ready now at \$1.50 per 14 oz. ....PLAN IS... Ready now, 75c per 100; \$5 per 1000. September to January; 75c per 100; \$4 per 1000.

ALBERT M. HERR, Lancaster, Pa. Sample plants for 10 cents.

Standard varieties, \$2.50 per 100. A list of varieties furnished on application.

ALSO SPRENGERII, 212-in. pots..... 6.00

TENUISSIMUS, 4-in. pots......10.00 VINCA MAJOR VAR., 3-inch pots..... 4.00 SMILAX, 21/2-inch pots...... 2.50

NATHAN SMITH & SON, Adrian, Mich.

### annas.

A limited quantity of each, from 2½ and 3½ in. pots. to close out at \$3.00 per 100. Alphoose Bouvier, Austria, Italia, Discolor, Exp. Crampbel, J. D. Cabos, J. W. Eillott, Mrs. J. M. Samuels, Midway, Madam Crozy, Paul Marquant, P. J. Berckmana, Sophie Buckner, Stella Kaost, Star of '91, F. R. Plerson, Madagascar, Mrs. F. L. Ames, Mme. A. Bonvier.

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A few Austria Cannas left; will 

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CELERY—White Plume, Golden Self-Bianching, Giant Pascal, Golden Heart and other varieties
TOMATO—Livingston's Stone, Paragon and other varieties All above plants field-grown, 15c per 100: \$1.00 per 1000; \$3.50 per 10,000. If by mall add 10e per 100. Cash with order.

R. VINCENT, Jr., & SON, White Marsh, Md.

White Plume, Golden Self Blanching and Giant Pascal.

Field grown plants at \$1 00 per 1000; \$8 50 per 10,000. Cash with order. Samples free.

C. M. GROSSMAN, WOLCOTTVILLE, IND.

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Alternanthera, Colens, Geraniums, Pansies, Daisies, Verbenas, Puchsias, Salvia, etc., etc. Write for prices, Florists when in Milwankee are invited to look over our stock.

ARCHIE MIDDLEMASS. 1019 Forest Home Ave., MILWAUKEE, WIS.

▼ARNATIONS.\*...\*..\*

F. DORNER & SONS CO. La Payette, Ind.

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The finest strain of Pansies in the World.

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award luter. Exhibition at Hamburg, 1897. Catalogue free on application.

Fred. Roemer,

Seed Grower, - QUEDLINBURG, GERMANY. neererererererererere

Roemer's Superb Prize Pansies, improved strain, new crop, ready now. This new mixture is naved from the very finest selected plants from all leading nove tles of art colors, without doubt the finest strain in the market to day. Mixed, per pkt of 3000 seeds. \$1.00; \$4.02, \$1.50; \$4.02, \$2.75; 1.02, \$5.00. White, yellow, black and blue, in separate colors, \$1.00 per pkt. of 3000 seeds.

CASH WITH ORDER.

#### PETER BROWN, - Lancaster, Pa.

Crower of Extra Fine Pansies. Plants ready Sept. 15th.

The finest of all the Giant flowering varieties to be had. No better grown; carefully selected; very large flowers, of perfect form and choice colors. All my forlst customers praise this strain very highly; requires no hetter evidence of superiority. Every florist should be sure to sow of it this season. For trade pkt of 35M seeds. \$1.00; half pkt, 50c. A pkt. New Forget-Me-Not, "Jewel," with every order.

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### H. Wrede, LUNEBURG, GERMANY. PANSY SEED. 144 First Prizes, the highest awards World's Fair, and Hamburg, 1897. 1000 Seeds, finest mixed, 25c. 10z. 23.76

Price List on application. Cash with order.

### FAXON'S "WHITE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at \$1.00 each. M. B. FAXON,

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Correspondence solicited.

### PANSY SEED

Flowering.

Do you want to grow the finest Pansles, if so, buy the JENNINCS STRAIN.
Always reliable. None bettor. Very finest mixed, \$1.00 per pkt of 2500 seeds; \$6.00 per ounce. White, yellow, black, blue, red. plok and lavender in separate colors, \$1.00 per pkt. The above all grown from very linest stock. Cash with order.

E. B. JENNINGS, L. B. 254, Southport, Conn. Grover of the Pinest Panstes.

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THE MARKET AND FANCY STRAINS are all the Horists as the Standard V FRESH SEED NOW READY in trade packages at

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C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

#### **JULY 29**

the Nickel Plate road will run an excursion to Chautauqua Lake, at one fare for the Write to J. Y. Calahan, 111 round trip. Adams St., Chicago, for particulars. (42)

#### **EXCURSION TO CHAUTAUQUA LAKE**

over the Nickel Plate road July 29th, at one fare for the round trip. By depositing tickets with Secretary of Chautauqua Assembly, same are available for return passage within thirty days from date of sale. City ticket office, 111 Adams St., Chicago, Van Buren St. Passenger Station, Chicago, on the loop. Telephone Main 3389. (43)

#### THE NICKEL PLATE ROAD

will sell excursion tickets to Chautauqua Lake and return on July 29th, at one tare for the round trip, with return lim't of thirty days from date of sale by depositing tickets with Secretary of Chautauqua Astickets with Secretary of Guantauqua Assembly. Tickets good on any of our through express trains. Cheap rates to many other points East. Communicate with this office, 111 Adams St., Chicago, for any further information desired. Van Buren Street Passenger Station, Chicago, on the loop. Telephone Main 3389. (44)

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Mention American Floriet.

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This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scnie, Mealy Bug, and other insect pests without injury to the plant. A trial of a 23 cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

KRAFT PLANT TONIC CO., Rockford, III.



#### Universal Insecticide For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores. ROSE MFG. GO. NIAGARA FALLS, N. Y.

STEMS DUST **EXTRAGT** 

VAUGHAN'S SEED STORE,

Chicago New York.



FOR SALE BY SEED STORES LOUISVILLE SPIRIT CURED TOBACCO CO

### Black Ants...

Easily and thoroughly exterminated by my non poisonous and odorless powder. Results guaranteed 1/2 & 1-1b, pkgs., \$6 and \$9 per doz., 40 per cent disc. F. O. B. Boston.

GEO. H. RANDALL American Florist. WELLINGTON, MASS.

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NURSERY SEED **FLORISTS** 

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OTTEENS, N. Y., Feb. 16, 97.
MR. THERON PARKER,
Brooklyn, N. Y., Dear Sir:—
I have tested your latest
model Carnation Support and
am free to say that I consider
it the best wire carnation
support that I have ever seen.
It is quickly and easily appiled, and I think will prove
very durable, and you certainly deserve great credit
for the invention.

Very truly yours,

C. W. WARD.

FLATHUNH, BROOKLYN,
N. Y., Feb. 18, 97
MR. THERON PARKER,
Dear SIT: - Your wire stake
to certainly a gem Without bestrating we indoree it
as an up-to-date carnation
support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb. 18, 97.
MR. THERON PARKER,
Brooklyn, N. Y., Dear Slir—
It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have bad from you are about as perfect as any-body will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am Yours truly, E. ASNUS.

PM Stepl Rose Stales.

#### Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.

Write for Prices, Circular and Special Discounts for Early Orders.

### The Model Plant Stake Co.,

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A material has been discovered for glazing which after thorough tests has been proven far super-lor to putty; it is called

It is not affected by extremes of weather, and is thus especially adapted for greenhouses, etc. Send for descriptive circular of Mastica and Mastica Glazing Machines.

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"We Kill Weeds Scientifically"

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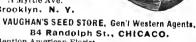
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Scollay

Sprinkler....

INDISPENSABLE J. A. Scollay, Maker,

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PURE BONE FLOUR. Animania 14 st. FURE DRIED BLOOD. Send for prices and references. GEO. S. BARTLETT, Steel Solid To. 1255-1257 West Sixth Street.

August Rölker & Sons Cope Flowers, Cyces Leaves, Florist Baskets,

Send for trade list, also for prices on fall bulbs. azaleas, etc. imported to order. Addres

52 Dey Street,

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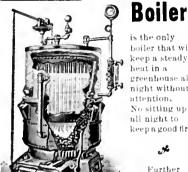
#### Refined Coal Oil as Fuel.

ED. AM. FLORIST:-Will some of your readers kindly advise me in regard to the use of refined coal oil for fuel? Can it be successfully used in a small return-flue boiler? What would be the comparative cost of renned oil at ten cents per gallon, hard coal at ten dollars per ton and soft coal (very poor grade) at from three dollars to three dollars and fifty cents per ton? Crude oil not obtainable.

I have never seen a burner adapted to the use of kerosene that would answer for a large heater, but as we now have wickless kerosene burners, made in something the same way as gasoline burners, which would answer for small heaters, I can see no reason why larger ones could not be used. If the fire pot is a large oneit might be possible to place three or four burners under the boiler. I have had no experience with oil as a fuel for heating greenhouse boilers, but should think it would be more expensive at the figures named than coal. L. R. TAFT. than coal.

MINNEAPOLIS, MINN.-At the state fair in September the Minnesota Horticultural Society will offer, among other premiums, \$50 for the best collections of greenhouse and decorative plants. There will also be a large premium list for cut flowers.





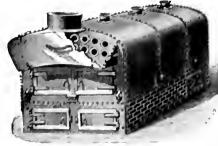
is the only boiler that will keep a steady heat in a greenhouse all night without attention. No sitting up ull night to keep a good fire-

Further information on application.

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KROESCHELL BROS. CO.

reenhouse \* Boiler,



Boilers made of the best of material shell, firebox sheets and heads of size, water space all around front, sides and backs. Write for information.

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### Standard Flower Pots...

We ship all goods from Cincinnati, guaranteeing lowest treight rates and prompt delivery.

Write us before placing your orders elsewhere......

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### GALVANIZED STEEL WIRE PLANT STAKES 52 PER 1000

H. F. LITTLEFIELD, WORCESTER, MASS.

Hot=Bed

Tenons white-leaded. Corners secured with iron dowel pins, Every detail of construction perfect. Made of Clear Cypress Lumber.

#### Quick Shipments.

We have in stock and can ship immediately:

ft. x 6 ft., 3 rows 10 in. glass. 3 ft.3 in.x6ft.,4 " 4 ft.x6 ft.,5 " S in, 8 in.

Not glazed, 134 in. thick.

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Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

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R.... FORT EDWARD, N. Y.
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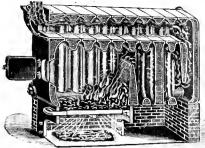
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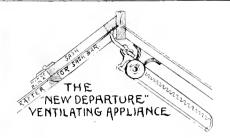
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### The American Florist

IT HAS NO RIVAL.



AMERICAN CHAMPION BILER.



Best and Cheapest on arth.

Itake mi pen in hand to tel the Florists that i her got up sum good things fur this to suze in greenthings fur this to suze in greenhouses, i aint mutch on Bucklasm in, but i am sum at inventin things fur to help Thoresto out.

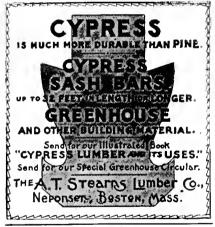


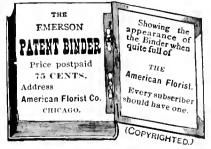
This iz mi Picter.



THE EVERLASTIN HINGE.

Now if a use one us mi Bilers. In wil save 1/2 Url Kole Bil. Wil Save it awl an if a git 3 a wil have Kole to Sel. i have the Bist an chepist Sash liftin machine; an the Best Sash Hinges what is, with me and wil tellual about em. mi name is, I blace in Evanswille Indiana, which is clase to posey Kounter





FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, HotMats, Paints, Oils, etc. Also Hotbed Sashes and
Mats, Paints, Oils, etc. THE REED GLASS &
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BEST GRADES. PERFECT WORKMANSHIP.

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WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.

#### NEW & SECOND-HAND MATERIAL,

purchased from Sheriff, Receiver, and Assignee, sales at less than one-half prices. Pipe and Fittings Hose, Florists' Wire, Hot Water Heaters, Greenhouse Boilers and Engines, Rope, Light Wrought tron Pipe Glass Sash, and thousands of other articles, for sale by

CHICAGO HOUSE WRECKING CO. Largest Mail Order Depot for New and Second-Hand Material in the World.

W. 35TH & IRON STS., CHICAGO. Write for our free illustrated catalogues.

#### Pittsburg.

TRADE SLACK WITH NO SIGNOF IMMEDIATE IMPROVEMENT, — DROUGHT ENDANGERS FIELD STOCK.—FLORISTS GO VISITING.— SUICIDE OF BELLA BECKER.

Trade still remains very slack and will. in all probability, continue so until fall, at least none of our florists look for any improvement before that time.

The weather has been very unfavorable for outdoor stock for some time, day time very hot and nights much too eool for growth, while lack of rain will soon necessitate watering, a very troublesome as well as an expensive measure in most cases. The trees in the parks are showing the effects of the dry weather, too, many of them dropping their leaves as if it were autumn.

On Sunday a number of the florists, with their wives visited Mr. and Mrs. Charles Hoffmeyer at Carnegie. There were about twenty five in the party, and they were so royally received that they will, in the near future, call on others of the florists. Mr. Pischer, of Castle Shan-

non, will be the next to be visited.

Mrs. Bella F. Becker, who has been conducting the floral establishment in the East End formerly run by her husband, H. Becker, committed suicide on Saturday last by drinking carbolic acid. Trouble of a social and business nature was the cause. REGIA.

CANANDIGUA, N. Y.-One must search afar to find a neater small establishment than that of A. C. Cappon, who grows an infinite variety of stock beneath his 5,000 feet of glass. He has a down town store and reports an excellent season's business with prospects of a large fall trade.

#### TWEMLOW'S Old English Glazing Putty



**3REENHOUSE** 

Semi-Liquid. Used in Bulb or Machine.

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GREENHOUSE WHITE.

For 20 years many Florists throughout the United States have used this paint. The purest and most durable that can be made.

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FISHKILL-ON-HUDSON, -**HEW YORK.** 



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CAPACITIES **FROM** 400 to 2600 FT. 2-IN. PIPE.

The Best Boiler on Earth for Greenhouse Heating. ALSO MADE FOR STEAM.

Water Section Made in One Casting. No Leaky Joints to Worry Over. Deep Fire Pot. No Need to Sit Up All Night to Keep Your Fire Going.

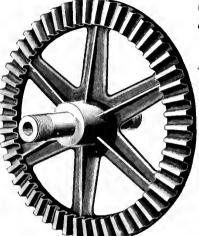
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Standard Ventilating Machine.... HAS POSITIVELY NO EQUAL FOR

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Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue

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Catalogue is free. A postal with your name and address secures it. Address

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Kennett Square, Pa. 

#### Faulty Eaves and Gutters.

ED. AM. FLORIST:-We would like some one in the business to explain some good way of building a greenhouse so that the drip from the eaves will not run down the walls and rot them in consequence. We have our buildings erected as per sketch accompanying this query, and though they do not always leak when glass sweats, they invariably do so when rain falls. We have drip catching strips under the plates, but these do not suffice. The gutters are very troublesome. All the plates are well joined and packed with canvas at the lap joints. Last summer all the gutters were painted with good white lead and oil paint and sanded lightly, but even after several coats, and letting it get very hard, it cracked up, between buildings especially, where the heat seems to be greater, and loosened and now leaks very badly. Is there nothing better than paint for gutters? We have tried asphaltum, but on wood it only dusts and rubs off. If you can name some one who has discovered a remedy for both these troubles, we shall be greatly obliged. Subscribers.

When first constructed, our side-hill house, with a slope to the south of thirtyeight feet, gave us some trouble by the failure of the drip groove on the under side of the plate to catch the water that came through the cracks between the butted glass in heavy rains, but it was easily remedied. The groove was en-larged with a plane until it was threeeighths of an inch wide and fully as deep. A three-inch tin gutter was then fitted beneath the plate and the water from this was carried to the outside of the house by means of small conductor pipes. When gutters are to be spliced it is desirable either to put the parts together with long mitres or to have them together with square shouldered joints. If the joints are well painted and put together with screws they should not draw apart. When a water proof paint is desired one of the best for either wood or iron is the L. R. TAFT. graphite paint.



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Plans and estimates furnished for all kinds of Houses. "N.B." Will accept in payment—Part Cash, Balance on Mortgage. A large stock of Greenhouse Equipment constantly on hand.....



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This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

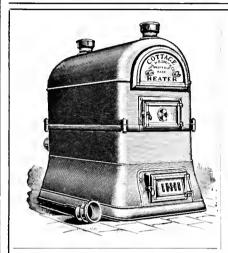
# Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks betterand costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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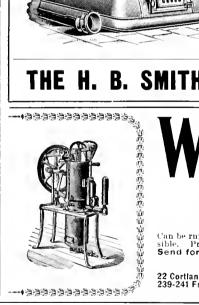
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Can be run by any ignorant boy without danger. Explosion impossible. Prices greatly reduced. In use in every part of the world. Send for Catalogue A 3.

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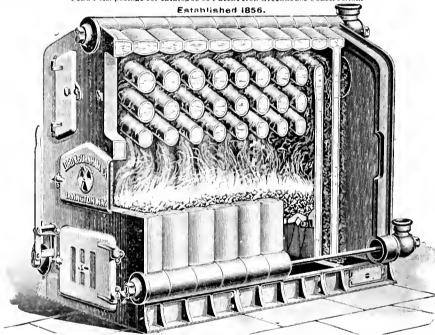
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Vol. XIII.

#### CHICAGO AND NEW YORK, JULY 23, 1898.

No. 520

#### THE AMERICAN FLORIST

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#### Railroad Route Chicago to Omaha.

All members in Illinois and tributary territory, as well as eastern members, who will attend the Omaha Convention, are invited to communicate with the AMERI-CAN FLORIST or with the undersigned before selecting a railroad route between Chicago and Omaha, as there is in progress a movement which will certainly result in securing for us a rate of railroad fare much better than is yet offered from Chicago west.

J. V. MERRION, Vice-Pres. for Illinois.

Sweet Pea Novelties of 1898.

We are now able to report on sweet pea novelties in this section. But the hot wave, which reached 100 in the shade last Sunday, has forced our vines into bloom beyond their strength, so that on light soil all the varieties have fallen below their normal size, both of stem and blossom. But we have everything as true to color as this climate allows. We true to color as this climate allows. represent a latitude from which a very large sweet pea patronage comes and my report must be somewhat severely just tor this reason. And from frequent conferences with our most skillful growers l must say that with each succeeding year our patience and preseverence are being more and more sorely tried. By whatever method I plant I wish before I get half through the month of July ! had tried some other. Still God's world is the same old world, and the fault must be ours, if we do not succeed.

Everything is in bloom now. As I look over the last Eckford list of novelties his 1898 set-1 see that three of them received first-class certificates, and two others awards of merit, at various English shows. Having seen Mr. Eckford's place in full bloom, and retaining still in mind a delightful picture of his vases of novelties at two of the English shows, I can well understand how he has received the above certificates and awards of merit, and that they were justly given. But it is a simple fact that all we can do the first year with these expensive packets is to get an idea of their color. And never have we had clearer proof than this year that the English climate and ours have very different effects on color.

Here in this set are the Prince of Wales and Colonist. At four feet distance we cannot tell them apart. Both are a bright rose after the order of Her Majesty. The Eckford description of Colonist is "a soft lilac overlaid with bright rose," which l have no doubt the English climate made very beautiful. But grown on even an ideal soil, such as some of our growers have, Colonist and Prince of Wales would puzzle me to distinguish them. Our climate, I suppose, emphasizes the bright It is evident that we can attach but little value to any but the decided self colors. Then there are two "orange" varieties in this set. Chancellor is the most decided orange, and is the best one of the set. Lady Mary Curric seems but a repetition of Penzance. The supposed shade of rosy blac in the Currie disappears in our climate. Duchess of Sutherland, a pearl white, has the misfortune of being so near like two of the Burpee set that it can hold no place. Duke of Sutherland, which is doubtless made out of Monarch, can be duplicated by well grown stock of the latter. Black Knight, of which I well remember seeing a magnificent row at Wem, while perhaps being a little deeper in color than Stanley, will practi-cally be only a rejuvenation of the latter. and it will be as easy to hold one up in size as it will the other.

And I ought here to revert to last year's set of Eckford's. It is a disap-pointment throughout. We have Calipointment throughout. fornia grown stock of them, so that they ought to show up well. They practically give us nothing new. Queen Victoria, although it has a black seed, gives us only a weak primrose tint. Lady Nina Balfour, instead of having a more delieate color than the true Radnor, comes very badly. The American strain of Radnor, called New Countess, is very fine in color, and must hold the place as a delicate lavender. Countess of Powis is erowded out by Burpee's Oriental. Salopian does have a richer shading of blood-red than Mars, but does not give us that novel shading towards dark cherry which I saw at Wem. Neither do we get from Shazada as dark an effect as we expected. And Triumph is nothing. Prince Edward of Vork is perhaps brighter than the old Princess Victoria, but hardly better.

All this is an injustice to Mr. Eckford. He is not to blame for our elimate. If our American climate registered no temperature higher than 85° and we had a moist occan air instead of our inland dryness we could duplicate the delicate shadings seen at Wem, and our blossoms would answer to the Ecktord description.

Turning to the American novelties our enthusiasm is kept alive, certainly not by all that are being offered on this side of the water, but by the best of them. Probably in some localities the best Burpee novelty this year is Stella Morse, -a beautiful light buff cream. But in this section the best one is Lottie Untchins. It at once attracts admiration. I am happily disappointed in it. Its yellowish, eream ground sets off the soft rose stripes and flakes very prettily. Oriental is a splendid orange salmon and has only Chancellor to complete with. Modesty bouquets beautifully, and there is no question about its deserving a place. As to Sensation, it is unfortunate just now to have so many sorts just hordering on white crowded upon us. Duchess of Sutherland, Sensation and Countess of Aberdeen are not needed, if we retain Dolly Varden and Wassona add no value to the set. The former probably owes its peculiarity of color to the run out condition of the old Butterfly stock, and the mauve stripe of Wawona we have had more or less of in our vari-

ous Radnor stock. Pink Cupid is a decided improvement on the white, but it refused to germinate well with me in a border, doing well enough in pots. The Burpee Earliest-of-All strain of Blanche

Ferry vindicates its name.

I speak with some diffidence of the Walker novelties, being somewhat prejudiced against the introduction of striped sorts, and preferring that the recognition of Mr. Walker as a novelty maker should depend on a wider endorse ment than my personal interest in him. This he is having, and I think his conscientions work deserves it. He has favorable Oregon conditions and for seven years has been in close correspondence with me. He is working his way patiently, lacking the Eckford prestige and his name as yet carrying no such warrant as the great seed house that is giving us Morse's finest selections from an immense acreage, and that is able to introduce a set of novelties on the largest scale. If a man gets out a catalogue, and there is any merit in his work, so that his introductions appear in our shows, we must recognize him. Bertie Hamilton has a more fixed type than I had thought, the fine wayy markings being of ox-blood red. Mrs. S. T. Walker gives us one-half about like Countess of Aberdeen, and the other half a pretty, faint rosy tinge which I take to be the type of the variety. Minnehaha is simply a good flower of very fine pink veining, and Light Gaiety is of the same order. Of course Mikado breaks up into almost everything of this sort, and altogether these red and rose cemed sorts make our rows look as if we have too much of it. The valuable novelties are not along this striped line. If we have good stock of Gray Friar we do not want Dawn

Among the trial sorts sent 1 find some excellent things. The new blue which the Sunset Co mark "A" is the best blue yet introduced, and is quite original. The new orange of Burpee's called Gorgeous is grand. Pink Friar is also very pretty I see no advance made in yellow except as the butt cream of the Stella Morse gives us a richer effect. The buff cream ground shading into soft rose is one of the new trials. One or two odd things, selected apparently from Laxton's Etna are noticeable. It is useless for us to tollow the idea of giving minute details of shading or form, for all that can be relied upon is pronounced color and good vigor of habit. The battle now a days to get there into bloom and hold them up till show time is too much of an anxious sus-pense, for us to care much for the art snadings, or the subtle overlaying of one har catches us after we get the vines into library inches us wonder where our a hibiti a flowers are coming from. Lam caring to hear how the others fare since

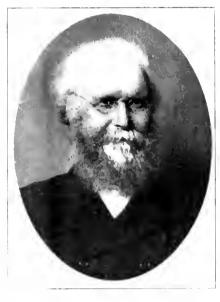
Our recent stated to 100 in the shade. These characters of T. Herciniss

#### Peter Barr.

Peter Barr.

There is the second Long Cowan, on the corder against the first steps at his least a train career with lames. This could be a trained acree with lames. This could be a trained second to the second manifestic and the range problem in controlled growth of the business. The corresponding to the business. The corresponding to the condition of the law controlled income David some, of the law controlled income David some, of the law controlled income David some, of the law controlled income the condition of the law controlled in the same time as the law of the law of the order to the law of the controlled in the law of the controlled in the law of the law of the controlled in the law of the controlled in the law of the l

Ireland, where he remained but a short time, going thence to Richard Smith & Co., nurserymen and seedsmen, at Worcester, England, managing their seed department for some years. It was at Worcester that Mr. Barr launched his own canoc upon the business sea, under the title of Atkinson & Barr, but the arrangement did not prove congenial and Mr. Barr retired from the firm to assume the management of the seed business of Mr. Wood, of Worcester, with whom he remained three years. Having by this time become thoroughly experienced and being ambitious to find a larger field for his endeavors he went to London and started as seedsman with Butler & Me-Culloch In the autumn of 1861 he began on his own account under the title of Barr & Sugden, King street, Covent Garden. In 1882 the partnership lapsed and the settlement was a contentious one, but was finally arranged and the firm name changed to Barr & Sons, as it is at the present time



Mr. Barr's first great work for the advancement of horticultural interests was in connection with the lily family, of which he succeeded in gathering probably the largest and finest collection in exist ence at that time. The work of cultivating and classifying this important family of plants occupied some years and resulted in a largely increased interest and in the diffusion of much popular knowledge on the subject, as may be seen from the elaborate catalogues he pub-Ished about this time. This labor by Mr. Barr no doubt facilitated the work on the more graph of the hly family by J. G. Balas and the magnificent illustrated monograph issued at a later period by I H. Llyes - Mr. Llwes showed his appre-ciation by presenting Mr. Barr with an autograph copy of this splendid work. The plant with which Mr. Barr's name

is most closely associated, however, is the dattodii, a flower which he took up in the or the and with which he continued his arresting labor of live for twenty sathout much public recognition until 1 - \$4 when the flower rose in public At this time a deputation of the Horncultural Society called on The Earn to ask his opinion as to the it of a grand contrience on the daffodil. He stated that it would no doubt be successful provided the committee could get Mr. Burbidge, of Dublin, to read a paper, as that gentleman had made a specialty of daffodil literature, and the conference was called that year. It proved a grand success. From that day the flower became more and more popular with the general public and reached its climax when Oscar Wilde gave his lectures on the beauty of yellow as a color. Other artists took up these ideas and the daffodil was accepted as a flower of the first importance from that time. Mr. Barr thinks the only exception to this was the Narcissus Telamonius plenus or Von Sion daffodil, which has never been accepted as of high rank by the connoisseurs on the other side of the Atlantic. He has been greatly surprised to find what immense quantities of it are grown and sold in the United States as grown and soid in the United States as well as in Covent Garden. The historical matter on the daffodil by Mr. Burbidge and a descriptive list of all known daffodils by Mr. Burbidge dils by Mr. Barr was published by the latter gentleman under the title of "Ve Narcissus," and the book helped to still further popularize the flower.

Mr. Barr began his travels abroad in 1887 in search of daffodils and was successful in enriching his collection with many fine sorts hitherto unknown. At Oporto in Portugal he found two new species and a hybrid of N. Bulbocodium, also the Oporto, yellow, and the hybrid Johnsonii. In Galacia, Spain, he found the beautiful Santa Maria and a hybrid between N. triandrus and Santa Maria. Mount Perdu furnished a fine lot of the beautiful little N. Pseudo-narcissus moschatus figured by Parkinson but lost to cultivation since 1629. In the French Pyrenecs he found N. abscissus, another plant known to Parkinson; also N. variiformis, and a hybrid of X, poeticus and N. varilformis.

'In the following year he traveled the north coast of Spain from Bayonne to Corunna, finding but three hybri's and five bulbs in six weeks, but his long journey was rewarded when he turned back into Galacia and found the beautiful Queen of Spain, a hybrid of Santa Maria and N. triandrus. On his return journey through central Spain he found the N. Bulbocodium citrinus and N. minimus, the latter already known but not generally in commerce. In after years Gibralter, Tangiers and other points in Spain and Portugal were visited, but no new daffodils of importance were found, although several new species of pæonia were added to our collections, the most important of which was Paconia coracea, a plant then unknown except in herbariums. In 1896 Mr. Barr went through Norway and Sweden, and in the next year through Sicily, Italy, Switzerland and Germany, but the plants found were only of hotanical interest.

Mr. Barr is at present on an extended journey through the United States and Canada, and will eventually go to Japan and China, Australia and New Zealand, and home by way of South Africa. He has already visited New York, Boston, Philadelphia, Baltimore, Washington and Pittsburg and is now journeying toward Montreal and other Canadian cities, Buffalo, Detroit, Cleveland, Cincinnati, St. Louis, Chicago and other important cities will be visited by him enroute to California, where he expects to arrive in October.

In all his travels Mr. Barr says he has never experienced such courtesy as has been shown him in America. The Americans he characterizes as the most



SPRAY OF NEW ROSE GARDENIA.

generous and hospitable people on earth; most wonderfully progressive and highly civilized; away ahead of anything the average Britisher has any conception of, and with promise of such a magnificent future for their great country that one becomes lost in amazement in contemplating it.

Those who may have the pleasure of a call from Mr. Barr during his present trip will find him a hale and hearty old gentleman, spry as a cricket and carrying his seventy-two years better than many men two decades his junior. He is full of good stories, and his delightful chuckle after telling one of his dryly humorous yarns is something inimitable. Ispent three days with him at Atlantic City and found him a most agreeable and entertaining companion. He was greatly interested in the



splendid physique of the American bathers, both men and women. His favorite expression was "W-o-n-der-ful!" "Wonderful!" Every time he got that off I thought of Dominie Sampson's "P-rodigious!" It is pleasant to hear from this keen observer that there is nothing to fear for the future of the Americans physically. They're all right. I wish I could reproduce some of his amusing and shrewd comments on men and things from women and metaphysics down to dogs and black olives, but I could not do him justice. Here in I'hiladelphia we shall always remember his charming presence, and hope he may long be spared to enjoy

his well-earned holiday and to move through life's autumn carrying with him the sunshine of smiling good humor and finding a cheerful and hearty welcome universal.

#### THE VICTORIA MEDAL.

This gold medal has been awarded to sixty persons who have rendered distinguished services to horticulture during Queen Victoria's reign. Alr. Barr is one of the sixty. This is the first time a cut of the medal has been published, but the portraits of the recipients were issued as a supplement to one of the horticultural journals last year.

G. C. Watson.

#### New Evergreen Hybrid Wichuraiana Roses.

The growth of these plants is remarkable for its freedom, a single specimen four vears old covering a space of 240 square feet, with shoots twelve to twenty-five feet in length, completely covering the ground, with its bright glossy foliage and showy, fragrant flowers. The same plant is making thirty eight new growths of great strength. The foliage of all is leathery in texture, glossy and not only proof against insects, but evergreen. The large, fragrant flowers are produced very freely, and they are extremely useful for cutting purposes, especially when in bud. For trailing or covering ground where nothing else will grow, to cover roots, stumps and stems of trees, walls and trellises, and for forcing as pot plants during spring, especially for Easter, the following varieties will be found valuable:

EVERGREEN GEM-WICHURAIANA · MME. HOSTE.

Not only evergreen, but growing during mild weather in winter. Stems long branching, rich bronze color, covering the ground closely. Foliage fine rich bronze color, closely matted. Flowers produced singly on stems, yellow, buff in bud, opening to almost white, two or three inches in diameter, perfectly double with delightful sweet briar fragrance. This will be found most valuable for landscape work as well as for cutting.

JERSEY BEAUTY—WICHURAIANA · PERLE DES JARDINS.

Extremely vigorous grower, foliage glossy and of thick leathery substance. Flowers large, single, three inches in diameter, opening pale yellow, with cluster of bright yellow stanens, very fragrant, and produced in greatest profusion, covering the plant entirely, and having the appearance of a yellow Cherokee rose. Great acquisition and the most striking variety of the set.

GARDENIA—WICHURAIANA X PERLES DES JARDINS.

Strong grower with large green foliage, flowers produced singly on stems six inches to one foot long. When in bud hardly distinguishable from Perle, bright yellow, and when open, cream color, and three to three and a half inches in diameter, incurving toward evening to perfect imitation of a gardenia as to shape and color, hence its name. Flowers are delightfully fragrant and produced freely. A grand rose for any purpose.

JOHN N. MAY.

#### Jours S. Mai

#### Carnations.

Last winter I visited thehouse of Chas. Swayne, Kennett Square, Pa., best known to the readers of the American Florist as "The Slope" and described too often to bear repetition now.

The house was planted to violets in the lower, or cool end and the balance to carnations, both violets and carnations

looking as well, or possibly better, than with most of the legion of growers in the vicinity who have the regulation style of houses. There were, however, several growers in Kennett Square who had better stock than that in this house, but, had the paths in "The Slope" been wide enough to permit of properly working the stock and the carnations themselves been planted only about two-thirds as thickly in the beds, there would have been better results.

The chief point of merit in this house is its superb ventilation. By opening the top and the lower side at the same time a current of air strong enough to move the leaves on the plants can be obtained and such a current of air admitted among the

earnations whenever the outside temperature is 50° or more is of incalculable benefit as it puts the stomata, or little leaf ports, in good, healthy condition and generally tones up the plants.

The chief objection to this house is the fact that the roof, being one continuous expanse, allows the heat to all rush towards the upper end of the house and makes the heating of it somewhat uncertain on a very windy night.

Mr. Landis, of Landis & Co., of Lancaster, Pa,, has a slope almost identical with Mr. Swayne's, but instead of building a continuous roof he is constructing a set of houses on the ridge and turrow pattern, leaving the sides between the houses open. In this manner he will get

the benefit of the superior ventilation and in a measure, counteract the rush of heat to the top, as each house will take its own heat toward the top of that house instead of sending it all to the upper end of the slope.

To get the best results from a house of this kind the slope must be toward the south or, better yet, slightly toward the southeast and the more of an incline it has the better, especially so for the solid bed system of growing carnations. It is necessary to terrace for each house as the building itself should be level, or if the slope is too great for that, simply make each bed level. The days of sloping beds are over so far as all good growers are concerned.

The beds for these houses were thrown up and planted to earnations early in the spring but the glass will not be put on until the last of next month, thus giving the plants the benefit of outdoor culture and not the check which results from replanting in the fall. They have suffered from the very long drought we have had in this section as the place has not been piped for water until this week, but I shall watch them with considerable interest.

ALBERT M. HERR.

#### Notes and Comments.

It is stated in a recent publication that smilax is never satisfactory in pots. Nothing could be farther from the truth, for I have myself grown equally as good smilax in pots as can be grown in any other way. These were grown in 6-inch pots, and the strings were from seven to eight feet in length, well furnished from the bottom up. I exhibited some plants of that description before the Germantown Horticultural Society some years This statement is not made for the purpose of advocating the growing of smilax in pots generally, but only to eall attention to the fact that it is not safe to make such sweeping statements, and at the same time I thought it would not be out of place to endeavor to remove any doubts that may exist in the minds of those who may have thoughts about the matter and hesitated to put them into operation, fearing for the results. And again there might be occasions where a few plants growing in pots could be made a telling feature at a decoration, besides having them in available form for sale should some good soul wish to buy some in that shape. The plants I have reference to were plunged in a solid bed as close together as they could be placed with convenience.

#### AVERAGE TEMPERATURES.

We frequently read in dissertations, more or less learned, upon the growing of plants that an average temperature of should be maintained. This also was forcibly brought to my mind recently, when, under the head of smilax and asparagus in boxes, it was stated that 63° will be a fair average temperature in which to grow them during the winter. I would like to know the idea intended to be conveyed in such statements. How are we to arrive at an average in such matters, and especially a "fair average?" What and especially a "fair average?" What can a fair average mean in this particu-lar. Practical growers never make use of such vague expressions. They are explicit as to the maximum and minimum temperatures if it is essential to the success of growing plants under glass, and it generally is, or they will state that a night temperature of not lower than is necessary. Let all writers upon cul-



SPRAY OF NEW ROS. LIZERGREEN GEM

tural topics hereafter specify the temperatures at which the particular subjects under consideration succeed in best during the night and also during the day, and let a difference be made between bright and cloudy days. The up-to-date horticulturist has no use for meaningless generalities.

E. L.

#### The Crimson Rambler Rose.

The rose Crimson Rambler, as seen here in the nursery of Messrs. Ellwanger & Barry, is a magnificent sight just now. For several weeks it has been in full bloom, and in spite of hot and extremely dry weather is still in first-class condition. The plants were put out a few feet apart twelve months ago last spring, and they have made a splendid growth. A trellis had to be erected to support the many strong canes which spring from the base of each plant, and this summer the breaks on these canes are so numerous that the whole forms a perfect hedge. As every side growth terminates in a large, well-shaped paniele of beautiful bright bloom, the whole trellis is a grand, solid mass of crimson roses in all stages of development, from the tiniest bud to a full-sized, open flower. In Mr. Ellwanger's private grounds a similar trellis has been in full bloom for the same length of time, but the growth here is even stronger than in the famous old nursery grounds, and this season's canes are surpassing those of last year in thickness and length, promising to give still better results another season. It is wonderful how persistently the petals adhere to the full blown flower; they do not drop until they are nearly dry, and as the clusters are dense and many-flowered, we cannot notice when a dozen flowers have lost their beauty, because others have filled out the space and covered the unsightly old calyx with their spreading petals. This is truly a grand rose for every imaginable purpose, outdoors or under glass. It behaves well in either case, and we can readily dispose of it at any time of the year either as a pot plant or in the cut state. It is especially recommendable for ornamental purposes in the garden, for we have no other plant of its class which could be equally satisfactory in every respect during June and July. We can train it ten feet high, or, if so desired, we may keep it down to four or five feet by prining or pinching, and in either case we can rely on a most profuse show of bloom. J. B. K.

#### Omaha's Great Exposition.

If one wishes to breathe the air of the Riviera with no fear of the Spaniard, he need only sit beneath the snow-decked branches of the fragrant oleanders which surround the east end of the lagoon at the wonderful Trans-Mississippi Exposition. There is a charm cast over the scene as the evening clouds close over the dying sun and you are ushered into an unknown land. One seems to have fallen One seems to have fallen asleep and is only awakened by a voice coming across the flashing waters of the gem-lit basin below. Hark! What is the voice? Ah, we are surely not in Nebraska! This deep blue, studded here and there by the tardy stars of night, as if ashamed to show themselves to their brighter clustered rivals, which, sentinel-like, illuminate the water's edge; no, not Nebraska; but yes, "Land of the flowing waters," for this is what the Indian name implies.

Filled with legends is this land. Within its precincts were the famous seven cities of Cibola in the land of Quivera, the mys-



SPRAY OF NEW ROSE JERSEY BEAUTY.

tic city of the westlands. These have all long since vanished and are only brought to mind by the annual pageants of the Royal Knights of Ak-Sor-Ben illustrating the mysterious rites of the more mystic people who are said to have inhabited this broad land of blowing winds and ripening grain. But here has arisen another magic city, the Columbian Exposition's only rival, or is this the Phemix arisen from the ashes of the White City on the lake? These fluted columns and stately colomades and splashing fountains that send forth liquid jewels of rarest huc only to sink into the limpid azure of the rippling mirror to again appear in dreamy blue that suggests the mist of mountain top; changing then to golden rain, now to ruby gold. Are they the memories of the past here taken shape and substance before our eyes? The rich voice of the Venetian gondolier half startles one who sits entranced as in a dream. Venice, fair Bride of the Adriatic, could you but arouse your sleeping doges, you would not rest until you had brought

back the column of Neptune in front of the government building at the far end of this western Court of Honor.

When some jostling sight seer recalls us from our day dream let us ramble among the exhibits of Nature's handicraft in the Italian gardens or the vine-decked loggia, for here

The roses fold their silken leaves.
The foxglove shuts its bell;
The honeysnekle and the birk.
Spread fragrance through the dell.
Let others crowd the giddy court.
Of mirth and revelry.
The simple joys that Nature yields.
Are dearer far to me."

Ascend the broad staircase leading to the Casino and find your way around to where the colonnades begin the second curve. Look at the scene before you; an endless chain of incandescent lights creeping around the cornices of each building and the searchlights from the giant See-Saw on Midway flashing from statue to statue along the court. What a beautiful vista presents itself from these Italian arbors! For contrast turn to the simple



ILLINOIS EXHIBIT AT THE TRANS-MISSISSIPPI EXPOSITION.

doric columns supporting the heavy framework festooned and garlanded by the tangled vines of the cobea, clematis and madeira. Let us go to the end of the arbor and descend the hidden stairway, then follow the semi-circular path overgrown by cannas and bronzy ricinus. The air is sweet as pansies and violets can only make it. The impish faces have turned into bells of silver upon the moonflower's climbing vines, and the place is one of wondrous beauty.

#### NOTES ON EXHIBITS.

Horticultural Hall is one of the largest and grandest buildings upon the exposition grounds. The ornamentation, in a frieze extending along the front and sides of the building, is especially attractive and, in connection with the statuary and grand entrance, has an unusually pleasing effect, aside from the plant and fruit decorations, which harmonize so well with the general plan of the building. vaulted dome, supported by its manyfluted Corinthian columns, holds a peculiar charm for the Trans-Mississippi visitor. Herr Hesser, of Plattsmouth, has arranged a fine display from his famous palm gardens. His Cyeas circinalis is the grandest plant in the building, and there are many fine specimens on exhibition.

Hadkinson's seedling canna, The Shell, is attracting more than ordinary attention from visiting floriculturists; bright green tolinge, erect habit, vigorous growth, spreading heads of light straw-colored florets, resisting the heree rays of the noon day sun, which they seem to actually enjoy, it is just the thing for hot

climates. A T. Liwin, a former graduate of Shaw Gardens, St. Louis, has taken notes and a number of snap shots of the various exhibits this week. He pronounces The Shell a triumph in mass planted effect I pon his return he will be connected with the Arkansas University and Experiment Station, Layetteville, Ark.

Station, Layetteville, Ark.

Cactus King Davey is also the prond possessor of three new seedling cannas, one a rich velvety deep cardinal, a free bloomer, and the largest blossomed plant on the grounds. It has been christened the Austin. The second is a leopard some what like Florence Vaughun, only brighter and of deeper orange ground, while the third is a gold-edged bright red He shows a fine collection of cacti in a bed south of the Nebraska building.

W. Atlee Burpee, & Co., Philadelphin's energetic seedsmen, have just come into the half and show a grand assortment of their choicest sweet peas grown especially for the Exposition at Waterloo, Neb., by J. C. Robinson. They have fifty-two varieties on view. B. F. Bell is in charge and renews the bouquets every other day.

Should you become entangled in the winding labyrinths of the fernery beware of the alligator, the ward of the Iowaexhibit. The monster had a lively frolic the other day and chased "Dad" Erfling all over Dreer's fily basin. He only saved himself by jumping upon one of the enormous leaves of the Victoria regia and was rescued by the horticultural force after a hard fight. The alligator is now caged and winks the other cyc, while "Dad" passes by afar off.

W. R. Roach, representing Jerome B. Rice & Co., wholesale seeds, of Cambridge, N. Y., is visiting the exposition.

N. Y., is visiting the exposition.

Landscape Architect Ulrich spent a few days upon the grounds while enroute to New York from the Yellowstone Park.

J. H. H.

MACOMB, ILL.—High Hills, who is in the florist business at Baraboo, Wis., is visiting at his old home here.

#### New York.

CONDITION OF TRADE.—STILL BUILDING GREENHOUSES.—A GREEK'S ADVENTURE.— A VISIT FROM PETER BARR.—DISPLAY AT COTTAGE GARDENS.—BRIEF NOTES.

The heavy fragrance of auratum lilies hangs over every wholesale flower store in the town this week and reaches far out into the street. The wholesalers are glad to part with them, and likewise the longiflorums, for a cent apiece but buyers are not flocking in response. A few boxes of roses come in every morning but not many of them are worthy of the name and the blooms like the boxes get smaller and smaller every day. Roses grown especially for summer demands are not yet in evidence to any great extent and the only stock seen in most places is the degenerate refuse that comes on the plants that have been worked hard all winter to make the pot boil for their proprietor. It has been a rather disappointing season all through for the flower grower and he feels correspondingly dejected in consequence but nevertheless he is adding another house or two again this season, from force of habit possiblyand even the sky-high price of glass will not stand in his way. If the retail man didn't make his money in the winter he cannot do it now; it is unquestionably one of the dullest seasons on record even for this dullest of all months. The Greeks, alone, do not complain and for the moment their principal occupation seems to be following around a lame member of their fraternity who was the only one left out of six who sailed on the ill-fated Burgoygne, and who is duly conscious of the unique pedestal upon which he stands in the eyes of his contemporaries.

Peter Barr, of London, famous as a daffodil specialist and entertaining talker, is in town having just come from a visit to quiet Philadelphia. He who has the honor and pleasure of a couple of hours chat with this renowned horticulturist is lucky indeed and the time passes swiftly in listening to his ready discourse. He is keeping his eyes open as he travels through the 'land of the free' and has already come to the conclusion that Americans are marvellously abstemious and temperate in their habits as compared with their Trans-Atlantic cousins,



LOS ANGELES EXHIBIT AT THE TRANS-MISSISSIPPI EXPOSITION.

a discovery which he naturally pronounces "most extraordinary." Mr. Barr's services in the cause of horticulture are attested by the Victoria gold medal which he proudly displays on his breast.

A truly wonderful sight may be seen now at the Cottage Gardens, Queens; acres of geraniums in great variety and comprising all the new and heautiful sorts that have just been introduced. Of geraniums, cannas and carnations together there are not less than ten acres and with Mr. Ward as an escort an inspection of them is both entertaining and instructive.

August Rolker & Sons have taken the agency for the Wannopee Pottery Co. of New Milford, Conu. The specimens of faney ware they display are very hand-

some.

The Bennett place at Flatbush is said to have been sold.

Small's new store on Broadway is a beauty.

#### Philadelphia.

THE APPROACHING CONVENTION IS A MATTER OF MUCH INTEREST.—BUSINESS IN THE PALM LEAF STAGE.—BOWLING MATTERS.—EDWIN REID'S SOUTHERN TRIP.—VIOLET CULTURE IN VIRGINIA.—A LARGE INDUSTRY EIGHT MILES FROM A RAIL-ROAD.

The Omaha convention is now the chief topic wherever the faithful are gathered and if the fare is reduced to a single rate for the round trip the number going is likely to be materially increased. The bowlers and shooters, as teams, are assured of this rate as they come under the same head as theatrical companies and baseball clubs. Were it not for the distance we believe Philadelphia would be as loyal to the S. A. F. as in former years, and, asitis, we hope to send a good delegation.

The transportation committee, of which John Westcott is chairman, has issued a circular stating the arrangements thus far made for the trip to Omaha. The Philadelphia party plans to take the Pennsylvania train leaving New York Sunday, August 14, at 2 p. m., leaving Philadelphia at 4:30 p. m., reaching Chicago at 5 p. m. Monday and leaving for Omaha fifty minutes later over the Burlington Route. The round trip fare will not exceed \$41.34 upon the certificate plan, and it is yet possible that a one way fare for the round trip may be obtained, which would be about \$10 less. The sleeping carcharge is \$7.50 each way.

Business is in the palm leaf stage; they are growing in the greenhouses and waving in the stores. The quality of flowers is much the same as last week; no better, and in the case of Beauties worse. The stock of this rose is now at its lowest ebb, but in a week or so the summer houses will be commenced upon and the quality will gradually increase. Carnations are small and poor in color. Robert Craig & Son have a bench of Flora Hill which is still producing very fine blooms, very much better than any other white. This stock readily brings \$2 per hundred. Prices of all flowers are about the same as last week.

We hear considerable about bowling these days and some scores are noted, which, if made on regulation alleys, are meritorious indeed. It is said that an average of 139 will not be sufficient to win the prize. This is not a high average for a good bowler, but as compared to averages made under the same conditions in Providence it is quite high. The match

there was rolled on strictly regulation alleys; width forty-two inches; length to head pid from toe line sixty feet; pins twelve inches apart from center to center of spots; no ball to measure over twenty-seven inches in circumference. Under these conditions when a game of 200 is seored a bowler has something to be proud of. We are glad to see so much interest being taken and hope the contest will be a record breaker both in number of clubs taking part and in the scores made.

Edward Reid, of this city, has just returned from a visit to his trade in the south. He reports business in the main satisfactory, most dealers saying that they had a good season. With better railroad and express facilities much more trade could be done south of Mason and Dixon's line. Orders, particularly for funerals, have to be filled mostly on a few hours notice. As there are not many good roses or other choice stock grown in the south on account of the soil not being suitable they are compelled to depend on northern cities and complain of the many delays incident to indirect routes of shipment.

Mr. Reid paid a visit to the violet growers of Green Spring Basin, near Gordonsville, Va., about 100 miles south of Washington. This industry was first started by Miss Taylor who commenced with twelve sashes and realized from them the first season \$19 per sash. Now, the number of sashes in this immediate neighborhood is about 1000, the largest grower having 200. Violets are all grown in cold frames, being planted in the frames in the spring so they suffer no change from moving in the fall. The variety grown is Lady Campbell, Marie Louise not doing well there. They had considerable trouble with black spot last season, but their greatest grievnace is the low figure to which the flowers havefallen. In many eases shipments did not return enough to pay picking and express charges and it is said that if prices are not better this winter quite a few will give up the business. The growers are mostly well to do farmers and having given the violet considerable attention they have been very successful in getting large crops of flowers. Their shipping facilities are very poor it being eight miles to the nearest railroad station and there is but one train a day. Several streams of considerable size have to be forded, there being no bridges. Violets from this section are received in great quantities during the season in Washington, Baltimore, Philadelphia and other cities. They arrive in Philadelphia about twenty hours after they are picked and while the quality of the flowers is good as to size and color, they generally lack fragrance, and are too short stemmed.

Mr. Reid found time to try his hand at fishing off the Virginia coast and hooked a monster sea turtle, said to have weighed 350 pounds, but after consider able struggling the line broke and all that was left is the story.

K.

#### Boston.

SATURDAY EXHIBITION.—FINE SHOW OF HYDRANGEAS.—R. M. GREY COMES TO NORTH EASTON.—VISITORS.

The schedule did not cut much of a figure at last Saturday's exhibition; neither hydrangeas, achimenes nor gloxinias were in evidence. There were some good hollyhoeks, however, from several exhibitors, those from John L. Gardner being particularly fine. Tuberous begonia flowers from E. S. Converse and Jas. L. Little

were very good. R. & J. Farquhar made an attractive display of auratum and longiflorum lilies, and there were interesting contributions of promiscuous flowers from various exhibitors, of whom the veteran Edwin Sheppard was one. When he returned to his home in Lowell he was accompanied by his bosom companion, F. L. Harris, of Wellesley, who went with him to "spend Sunday."

A superb display of large hydrangeas in tubs decorates the lawn about the residence of W. E. Doyle at Cambridge. It is

a reminder of Newport.

R. M. Grey has secured a position as head gardener at the Oakes Ames placein North Easton.

Recent visitors: H. A. Siebrecht, New Rochelle, N. Y.; A. M. Rennie, Providence, R. I.

No business now.

#### Chicago.

SUPPLY AND DEMAND.—ROSES ARE NOT PLENTIFUL BUT ARE FAIRLY GOOD.—SWEET PEAS A GLUT.—REINBERG'S WILL GIVE THE FLORISTS A HEARTY WELCOME.—SIGHTS AT THEIR CITY OF GLASS.—NOTES OF PERSONAL DOINGS.

During the first days of the week demand was somewhat less than for the week previous, but in the last few days the slight fall in the temperature has in a measure revived the market and things are moving along in fine style. At no time during the week has there been any considerable over supply of anything except sweet peas, and on one day N. G. Axtell, who has a place at Evanston, sold 36,000 of this favorite flower. However, each day has seen basketsful of peas passed over to the tender care of the street fakir.

The supply of carnations is growing somewhat shorter each week and the quality, as a rule, shows a corresponding deterioration. They have sold freely for the past few days but at no fancy price. With some growers the blooms are reasonably good as to color but are small in size, while with others the colors and size are equally off.

Roses, as usual, occupy the center of the stage, and, of course, Beauties play the star part. As a general thing roses are poor and searce, although from here and there come lots of excellent blooms which sell well at good prices. Beauties are said, by several growers, to be better than is usual at this season of the year, but they are quite scarce. Brides and Meteors are fairly good, but Bridesmaids do not seem to withstand the heat well and are generally undersized, although their color is good.

The eall for miscellaneous flowers is light, and while the commission men sell out pretty cleanly, quantities of assorted blooms are at all times to be found in the ice boxes.

Reinberg Brothers have invited the Florists' Club and the trade in general to visit their great establishment at Summerdale to-morrow, Sunday, July 24, and will supply an entertainment which will probably eclipse anything which the florists ever encountered upon their numerous similar expeditions. The party will go by the one o'clock train upon the Northwestern, the hosts having provided a special car, free of expense, for their accommodation. There will be much to entertain the visitors. To begin with, the establishment of the Reinbergs is undoubtedly the largest of the kind in the country. The two brothers have over 600,000 feet of glass and devot citalnost

entirely to growing roses and carnations. They will this year bench upwards of 175,000 roses, principally Beauties, and about 70,000 carnations. Planting on the benches is, of course, far progressed in the rose houses and the opportunity to inspect their wonderfully well-kept houses and well-grown plants is not one to be neglected. They aim to have all their carnations benched at the beginning of September. The houses will be made as comfortable as possible for the 200 or more who will doubtless make the tour of inspection on Sunday.

In the line of amusement there is to be a ball game between teams chosen from the players present. This feature of the afternoon is in charge of Phil Hauswirth. The splendid veranda about the home of Peter Keinberg will be utilized for the occasion, for here the refreshment tables will be spread and there will be a bountiful supply of many good things both eatable and drinkable. The party will return by trains at 5:37 or 6:53. The Messrs. Reinberg and their families are desirons of extending a particularly cordial invitation to be present to the ladies of all florists' families.

Some of the finest beds at Lincoln park this year are those of Portia carnations bordered with centaurea. Mr. Stromback says the former have been flowering quite freely of late, and they are certainly attractive as bedding plants.

The aquatics in Washington park are now very fine, nelumbiums, nymphæas and the Victoria regia flowering freely. Where the nymphæas have been given artificial heat, it is noticeable that the flowers are much larger than those grown without such aid.

A. L. Wheeler, M. D., of Mason City, Iowa, local surgeon of the Iowa Central Railway, of the Wheeler Floral Company, was a recent Chicago visitor enroute home from an eastern trip. He reports flower trade as excellent and is building a new rose house with 2500 feet of glass.

The Skabeura Dip Company reports a trade which is very gratifying; in fact they have so much business that they are unable to handle it advantageously in their new factory and must soon make still further improvements and additions to their present facilities.

C. L. Washburn, of Bassett & Washburn, who, with his family, is in Colorado, visited the Omaha exposition while on his way west and was greatly pleased

with what he saw.

A. E. Crooks, of Benton Harbor, Mich., was a recent caller upon Chicago friends and reported excellent trade upon the cast shore of Lake Michigan.

At the last bowling contest but five players presented themselves and some good, bad and indifferent scores were made

6 H. Pieser, accountant for Kennicott Bros Co., is on a week's fishing trip in Michigan

11. M. Sanborn is returning to California after an extended eastern trip.

#### Berlin.

A GOOD TRAILING DUCHSIA. NEW FORGIT ME SOIS BRACE CALLAS SURSTILL'HE LORORANGE BLOSSOMS GARDEN USE OF BULLAND MOSS TULIFFA GREGE LER HELV PUR PROTERANDROUS LEOWERS

One of the best fuchsias for hanging baskets which I have seen is that known as I rance? Queen. Some very effective plants of this ariety are now to be seen here and there, and so far as known, they require no point treatment. A single I fine bulbons plants from Central Asia,

entting makes a plant three feet in diameter within twelve months.

In Sarothamnus scoparius we have here a fine flowering shrub, and it is now in full bloom in the Royal Botanic Garden. When this plant is grown near the sea, it attains a height of from twelve to fifteen feet, and during May it is so thoroughly covered with its large yellow flowers that not a leaf or twig is to be seen. In the interior the plant is killed to the ground by the severe frosts which occur about once every three or four years. It likes a sandy soil.

A new forget-me-not, Myosotis alpestris stricta, sent out by F. C. Heineman of Erhurt, is attracting considerable attention, and it was awarded a silver medal at the last meeting of the Berlin Horticultural Society. The plant is erect, eight to ten inches high, and densely branched. Each individual specimen measures about three inches in diameter, a mass of bloom from bottom to top. There are three forms of the plant, varying in the color of the flowers, which are either blue, white or rose.

Besides the common callality (Richardia Ethiopica), many other aroids with dark spathes are now cultivated quite extensively. These "black callas," are much esteemed by some amateurs, although their odor in most cases is not altogether agreeable. A good plant of this class is Ischarum eximium, with small lanceshaped leaves. Arum Discoridis, however, from Asia Minor, is much more worthy of attention. In general appearance it resembles the white calla, but the spathes are deep purplish, spotted with green at the apex.

Orange blossoms for wedding decorations cannot be had here during the winter months in sufficient quantity, and to meet the demand Staphylea Colchica, is forced as a substitute, providing abundance of white flowers which in appearance and fragrance soclosely resemble the genuine article that the laity cannot tell the difference. It is said, also, that the flowers of Prunus Chinensis are made to do duty for those of the myrtle. Staphylea Colchica is a shrub which thrives very well in the open air and blooms here during May, some time before S. pinnata, the flowers of which are much like those of the lily of the valley.

For shady situations there is now used a new material, viz., Cetraria Islandra, the Iceland moss, which gives good results when used in the right way. I have seen this plant in the yards of hotels, surrounded by large buildings, where one ray of sunshine hardly every penetrates, and it produces a fine effect with the grass and gravel. A good turf is only possible in such situations when renewed frequently; flowering plants must be replaced weekly, and only such plants as Phornix Canariensis, Araucaria imbricata, etc., will survive for any considerable time. But the Iceland moss seems to prefer these conditions.

Tulipa Greigi is by far the most elegant plant of the genus in cultivation, distinguished as well by the immense size of the flowers as by the brownish tint of its flowers. It is said that the bulbs make no offsets with us, so that it is necessary to import new stock every year from Central Asia. Whether this be true or not, once imported and properly planted, the bulbs supply a profusion of excellent cutting material for many years without further attention. This is one of the parents of many desirable hybrids, all of which are easily recognized by the tinted foliage of Toreigi. It is a pity that many of these line bulbons plants from Central Asia.

collected by the famous traveler, Dr. Albert Regel, are not more generally cultivated.

Experiments have shown that the best fertilizer for fruit trees is a mixture of nitrate of potash and phosphoric potash in equal parts. It should be applied to the ground underneath the trees at the rate of four ounces to each ten square feet of space. This fertilizer is now much used in orchards as well as in vineyards and tobacco fields. Some other artificial fertilizers under various names are used in this country successfully, but all are manufactured after Prof. Wagner's formulatwelve to fourteen per cent phosphorie acid, twelve per cent nitrogen and twenty per cent potash. This compound has a remarkable effect on the flavor of fruits. Pears, for example, which under ordinary circumstances have only a low culinary value, are equal to the best table fruits when efficiently treated with the fertilizer.

Last spring I was rather surprised with the behavior of a young peach tree on the grounds here. The variety is called Amsden, and while the tree flowered well, it did not set a single fruit. On investigation it was found that there is no other peach tree in the neighborhood, and all the flowers of the tree in question proved on examination to be what botanists term proterandrous, that is, the anthers ripen and shed their pollen long before the stigma of the pistil is ready for tertilization, and thus fruits are impossible, unless pollen from some other source alights upon the reproductive organs at the proper time. But all the flowers of this tree developed at about the same time, and there was no pollen available when it was needed. As the Amsden is an American variety, it would be interesting to learn whether it is proterandrous in the United States. I found that another variety. Reinette, also bears proterandrous flowers, but this remains so long in bloom that it produces fruit every vear without external assistance. proterandry of flowers is a good argument against confining the plantations of a crop intended to fruit or seed to one variety, especially fruit plantations. Uno Danmer

#### Vancouver, B. C.

The florist business for two or three years past did not rush any of us to an unconfortable degree but the boom which struck the mining camps this spring put more money into circulation and all of us are getting some of it.

In this somewhat remote section the prices for roses, lilies, chrysanthemums, vallies, etc., run from \$1 to \$1.50 per dozen during the winter or rainy season, and somewhat less in summer.

R. T. Robinson, of the Georgia Street Nursery, took an outing through California this spring and made the trip the opportunity to pick up some very fine stock for their establishment. They are building a large rose house, which will be a very considerable addition to their plant

The Vaneouver Floral company has a very complete range of houses and late in June 1 saw a fine lot of chrysanthemums in bloom in one of them. They said that the flower was selling well, even at this unusual season of the year.

Our own trade has been better this season than ever before, especially for ornamental and bedding plants. We have had an exceptionally large shipping trade and are still shipping large numbers of plants to the interior cities. M. J. HENRY.

#### THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agete; \$1.00 per inch. Cash with Order.

#### No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago,

#### Railroad Rates to Omaha.

Notwithstanding the statements to the contrary, thus far no rate has been made to the S. A. F. by the railroads from Chicago, St. Louis, St. Paul, norfrom points like Buffalo and Pittsburg west to Chicago, any better than the ordinary oneman thirty-day rate allowed to anybody and everybody. This is manifestly unjust to an association like the S. A. F., with an average attendance of over 600 for the past ten years. Prof. Taylor at the Providence convention certainly made broad promises of liberal rates on account of the Trans-Mississippi Exposition, and instead of realizing on them we are confronted with the highest fares ever known in connection with the annual meeting. The present Chicago-Omaha round trip being \$20, it will be impossible to muster anything like a representative gathering to push this pioneer work in the Great West, but the American Florist has West, but the AMERICAN FLORIST has promised its readers the best possible rate and it still confidently expects to have the fare reduced to \$14.75 or less before August 1, with proportionate reduction from all other points. Efforts are now being made to this end through trunk lines whose managers fully understand the value of such a convention to the west, and when fair rates are secured it will be ample time to select a route, and in such selection we must remember the friends who have aided us in securing these concessions, and we must ask our patrons in all sections of the country to support us in these efforts in their behalf. At the earliest opportunity the American FLORIST will announce the result, pending which please let us have your name for earliest advice by mail. We learn as we go to press that a \$14.75 rate from Chicago and return is practically assured. Write us for route.

#### American Carnation Society.

An informal meeting of the American Carnation Society will be held in the meeting room of the S. A. F. at Omaha, Neb., Wednesday afternoon, August 17, 1898, at four o'clock. New ideas for our meeting in Philadelphia next February will be in order, and your secretary will enter any new member you can bring into the society. WM. NICHOLSON, Pres. the society. WM. NICH ALBERT M. HERR, Sec'y.

SEVERAL thousand persons who wrote in response to the advertisements of the Fairfield Floral Company are receiving their letters, returned by the postal authorities, stamped "fraudulent."

An excellent European plan hotel at Omaha, omitted from the official list of convention city hostelries is the ller Grand, Sixteenth and Howard streets. The rates are \$1 to \$1.50 per day.

#### Greenhouse Building.

Vancouver, B. C.-Georgia Street Nurseries, 100 foot rose house.

Kennett Square, Pa.-L. Eastburn, carnation house 22x116.

Bay Shore, L. I.-Nicholas Rail, two

violet houses each 11x135.

Mason City, Iowa.—Wheeler Floral Company, one rose house.

Toughkenamon, Pa.—H. Owens, two carnation houses, each 20x100. S. Pyle, two carnation houses 20x100 and mushroom house.

Woodside, N. Y.-Victor S. Dorval, one carnation house 25x126.

Avondale, Pa.-Geo. M. Chandler, one

greenhouse, 20x200.

Queens, N. Y.—Cottage Gardens, two greenhouses each 20x160, one propagating house 12x116, and large boiler house.

Springfield, Mass.—M. Aitken, four commercial houses, one 30x200, one 20x100, and two 10x100 each.

Minneapolis, Minn.-C. Buskoeder, conservatory costing \$1200.

Worcester, Mass.-H. F. Littlefield,

carnation house 23x50. Northboro, Mass.—H. A. Cook, carnation house 26x150.

Detroit, Mich.-Greenhouse at pumping

station park. New Britian, Conn.—E. E. Eggert, two houses each 20x100.

#### Society of American Florists.

The Conard & Jones Co., of West Grove, Pa., have asked that the Society of American Florists officially register new plants of their introduction as follows: Rose, Miss Clara Barton; cannas, Admiral Schley and General Shafter.

WM. J. STEWART, Secretary.

#### Chrysanthemum Cuttings.

ED. AM. FLORIST:-If chrysanthemum cuttings are inserted now, will the plants bloom the coming fall? J. A. Y.

Cuttings can be rooted now, and the plants will bloom in fall. Both plants and flowers, however, will be small. On the other hand, I have seen attractive pots of chrysanthemums from cuttings inserted as late as the middle of August. In this case five or six cuttings of a variety, preferably a dwarf one, were inserted in a 4-inch pot and grown on without repotting, each cutting or plant being confined to a single stem and one flower, thus producing five or six small blooms to each 4-inch pot. GROWER.

#### The Trade Exhibition at Omaha.

We have received the following communication from the superintendent of the trade exhibition to be held in connection with the forthcoming convention of

the national society:

I take great pleasure in presenting this circular to you and wish to call attention to a few advantages Omaha has for the S. A. F. convention and trades display. First, we have the great Trans-Mississippi Exposition which is well worth a trip aeross the continent to witness. Omaha is the metropolis of the great and growing west, the resources of which are not yet known, with people possessing plenty of money and willing to buy that which their fancy dictates. Third, our local club is in fine condition and all its members are on tip-toe waiting for a chance to show our eastern brethren what the west can do. Fourth, if you have trade in the west it will be a good idea to come out and meet us and vou will be satisfied with results, for all who are on the ground will be in a position to get new business as well as protect what they already have, and will have no cause to complain.

Our exhibition hall is in a fine location and President Gude and Secretary Stewart consider it the finest place the S. A. F. has ever had. Trusting that you will give this matter of trades display your immediate attention and will make an early application, so as to give you good space and good attention, I am,

pectfully, S. B. STEWART, Superintendent Trades Display. Respectfully,

#### A Reply to Mr. Esler.

ED. AM. FLORIST:-Brother Esler in a very pleasant way calls me a kicker and couples me up in one sentence with a Texas mule. To be sure he says my "kick is of a higher order" (does that constitute me a high kicker?), which takes away part of the sting. One question of great interest, is, where will Mr. Esler be when the scrimmage he so vividly describes, takes place? Will he be among the sheep or among the goats or safely in the rear, saying "sick 'em" when any of the contestants show signs of weakening?

However, the object of the present writing is not to take Mr. Esler to task for calling the writer names in such a charming sort of way, but to point out in one of his statements. an error says: "He kicks because the Executive Committee of the S. A. F. endeavored to turn the society to some practical use, There was no mention or thought of what the Executive Committee endeavored to do. It was what they did do which was objected to. Believing earnestly that the action was a serious mistake, it seemed proper that attention should be called to it in advance, so that the members might consider the matter carefully and prevent its being carelessly approved at a lightly attended business W. N. Rudd. meeting.

#### Greenhouse for Roses and Best Varieties.

ED. AM. FLORIST:-In building a greenhouse for roses, which is the best plan, the long or short span to the south? What are the best four varieties of roses to be grown in a private greenhouse? They must be white, pink, yellow and red.

I. N. T.

Much can be said in favor of both styles of rose house, and in fact each has champions great and small, but my own opinion is that when it is intended to grow on raised benches the regular threequarter span facing south is the best and most satisfactory house that can be erected.

1 would recommend as the four best varieties in their respective colors for a private greenhouse Bride, Bridesmaid, private greenhouse Bride, Bridesmaid, Perle and Souv. de Wootton. The latter variety is not equal to Meteor when both are well grown, but it is quite impossible to handle Meteor successfully in the same house with other varieties.

Robert Simpson.

St. Joseph, Mo.-The new greenhouse at Krug Park will cost \$5,000. It will be 34x76 and will be 26 feet high. The plans were selected after a careful examination of the best establishments in the west, and the structure, of iron and glass, will be thoroughly modern in every par-ticular. A miniature lake is being con-structed in the park and will make a fine home for aquatics.

#### St. Louis.

FLORISTS' CLUB HOLDS AN IMPORTANT SES-SION.—PLANS FOR THE ANNUAL PICNIC.— THE TRIP TO OMAHA IS ARRANGED FOR .-NOMINATIONS OF OFFICERS. - EVENING MEETINGS FOR THE SUMMER.

The monthly meeting of the Florists' Club was held last rather a light attendance considering the importance of the business transacted. The picnic committee reported on arrangements. A special train will leave the Union station at 9:15 a. m. over the Air Line for Belleville: returning, leave Belleville at 8 p. m. Tickets for theround trip are 50 cents, and 25 cents for children, and have been pretty well distributed. A cool time on a hot day is promised to all who attend.

The transportation committee having in charge the trip to Omaha reports that from present indications the rate will be \$13.50 for the round trip, with the chances of a reduction when the time comes. Should fifteen decide to go, a special car will be provided for their use. Pullman sleeper berths cost \$2.50 each way. The secretary will send out postals August 6, and expects to have a full list of those who are going by August 10, so as to be able to make final report and definite arrangements at the next meeting of the club, which occurs on August It is probable that all those going will leave here on the 14th over the Missouri Pacific. Parties from points connecting with St. Louis and wishing to go with our delegation, can keep posted by writing to J. W. Kuntz, \$22 Olive street, who is chairman of the committee.

Nominations for officers developed quite a number of candidates for the various positions except the two that require ous positions except the two that require work. Those nominated for president are: F. C. Weber, C. C. Sanders, Wm. Young and E. W. Guy; for vice-president, Max Herzog, F. W. Ude, C. A. Juengel and Robert F. Tesson. But one nomination of the state of th tion was made for either secretary or treasurer, the present incumbents, Emil Schray and J. J. Benecke, being renominated without opposition. Trustees to the number of three will be selected from the following names: J. W. Kuntz, Wm. Meinhardt, F. W. Ude, F. J. Fillmore, J. W. Steidle and Julius Koenig, Jr.

The picnic committee was authorized to have the secretary draw a warrant on the treasurer for \$75 to defray expenses. The following new members were elected: Wm. H. Hudson, J. Koenig, Jr., and Gust Eggling.

An experiment is to be tried to see if a better attendance cannot be had during the summer months. The next three meetings will be held at 8 p. m. instead of 3 p. m., as formerly, and should this innovation prove popular, it is probable that the meetings for the summer months will to held in the evening and during the remaining six months in the afternoon. The trustees were empowered to select a place for our next inceting.

A change has been made in the bowling dleys used by the club, and from now until they leave for Omaha the club will toll on the Grand alleys, corner of Sixth and Pine streets. They are regula-tion size and better than those bertothe used by the club. Several extra players are being concluded, so that we will not be short of good material. E.F.T.

#### Baltimore.

Because of the continued drought miscelluncous out flower were probably never scarcer here, it this season, than they are rotal but for echavenor changed

appreciably in spite of the scarcity, for the demand is very light.

Ed. Montgomery has taken M. Hautske's place on Gittings avenue, near taken M. the York road, and is hard at work preparing for the fall campaign. The Donn place, which Mr. Montgomery and his brothers abandoned after a good deal of hard work and harder luck, is being run by Archibald McFarland, nephew of John

TORONTO, ONT .- The Gardeners' and Florists' Association will hold its annual picuic July 28 at Niagara Falls and a large attendance is expected.

TACOMA, WASH.-Mrs. Lena McCoy gave her annual exhibition of sweet peas on July 13 and 14. It was a very creditable affair and was made the occasion of the introduction of Mrs. McCoy's new sweet pea Tacoma.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each losertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1888 is entitled to a five-line want adv. free to be used at any time during the year.

SITUATION WANTED Many years' experience with roses and general greenhouse work. Good references. JAS WHITE, 1110 N. Second St., Phila.

Oltuation wanted—By good all round florist and gardener; capable of taking charge. Please give full particulars in answer, Address W K, care American Florist.

CHTUATION WANTED—By young man in green by house; 2 years' experience. Good worker; good character, and have good reterences. Address 11 S. care American Florist, Chicago.

CHUATION WANTED-By good gardener who wishes to have good place; 25 years of age, alogle; 12 years experience. Al references. Address JOSEF KOHOUT, 1575 W. 22nd St., Chicago.

SITUATION WANTED-By practical florist; German, age 27; 12 years' experience to paims, ferns, pot plants in general. Good references. State terms, Address L. K., care American Florist

OPTI ATION WANTED—In commercial or private place by first-class florist; carnations and violets; good propagator. Best of references. Address. I. P. HERSEY, P. O. BOX 15. East Kingston, N. H.

OTTUATION WANTED—By a lady who is thoroughly capable; a situation to cut flower store; understands design wo k and caring for cut flowers. Wages reasonable. Address 406 Michigan Ave , Alhioo, Mich.

SITUATION WANTED By practical florist and de-identification of the roses, carnations, mans, violets. Good commercial or private position. Best references. Address FLORIST P. (1) Box 547, Allhance, O.

SITUATION WANTED—As manager or foreman by competent grower of rosea, carnation, etc., decorative and hedding plants; by years experience; married. Best references. Address M. S. Jonkintown P. O., Phila., Pa.

OTH ATION WANTED By practical florist, aingle by practical florist, angle p t plants, etc. Good knowledge of design work coursears in one pi ce. References. State wages. Address. EAST, cate Americae Forist.

Office of the state of the stat

STITATION WANTED By practical Borist, Ger-man, single. First-class rose grower, also carma-tions, norms violets and general stock; 20 years' ex-perience. Competent to take charge. Best of refer-ences. Address. FLORIST, Boy 26, F1 Thomas, Ky.

STILATION WANTED. By a first class grower of cones carnellons, minus and general stock. Can give good references from three of the hirsest grower in Fennsylvaria. Single: 10 years experience. Additional forms of the first 
WANTED single man to take charge of section of rose houses come rendy for work; apply Room 9, of Wubash Ave. Chicago.

WANTED AT ONCE Young, single florist; good worker us nosistant to krow general greenhouse stock. Address. Jos. Lano. Jollet, III

WANTED AT ONCE An all around experienced gardner for commercial place most understand transcripter of palms and ferris. Young and single can perfect for his plantation address.

15. Washington St. Portland, Ore.

FOR SALE-Four greenhouses, near y new Good retail stand. A CLAUS, Springfield, Ill.

FOR RENT-First-class city greenhouses in city of ovar 20.0.0 in Illinois.

A B. care American Florist.

FOR RENT—Good paying retail bouses, new, of 5000 feet; in city of over 20 000 Renter to buy atock.

A B. care American Florist, Chicago.

FOR SALE-Sec nd-hand 4-inch pipe, good as new.
Also glass in sizes from 8x10 to 12x16. Address
DANIEL BRANCH, 3800 Grand Boulevard, Chicago.

POR SALE Four greenhouses, nearly new. Splendid retail stand in residence district on paved street leading to comete y. Easy terms. Must retire on account of health A. CLAUS. 591 N. 4th St., Springfield, Ill.

FOR SALE-21 acres land, suited to gardener and florist, in city limits, St Charles, Ill.; small bouse, and buildings all new: 35 miles from Chicago; two railronds; on street car line; near cemetery. Price \$3000. Address H SWABY, Eldoru, lowa.

FOR SALE—Florist's place in one of the best cities in eastern lilinois; city water; heated by hot water, and dolog a good business: 3750 feet of glass—three is uses—near court house. This place will bear investigation. Address

H D C, care American Florist.

FOR RENT-Three greenhouses; ertablished trade: recently built. Good house, barn, half acre of land in a live N. Y. state city of 23,000 inhabitants; tine chance for live man; rent \$16.00 a month; good reasons for rectine. Address OPPORTUNITY, care American Floriat.

FOR SALE—Well established retail flower business; large stock decorative plants, designs, vases, jardinleres, dovea and florists' accessories 111 health reason for sale. Half price if taken quick. Store and conservatory for rent cheap.

THOMAS S. PETERS, Harrisburg, Pa.

POR SALE OR RENT-Valuable greenhouse plant consisting of eleven houses, about 12000 feet of glass; fully stocked; situated in the center of Schuylstill county, Pa., with a population of over 150,000, and practically no opposition. To be sold on account of death. For particulars and terms address

Jos. Defreen, Pottsville, Pa.

#### Boiler Bargain

Second hand boiler for sale for fifty dollars where T. H. LINSLEY & CO., Evanston, III. it stands.

#### CHICAGO LOTS FOR SALE!

One block from corner Lincoln avenue and Wellington atreet, a bunch of lots at \$25 per front foot, sewer and water. Sultable for greenhouse purposes.

JAMES ROOID, JR.,

Tel. Main 3868, Room 5, 154 Lake St., Chicago.

#### FOR SALE AT A BARGAIN.

Florist extablishment of over 10,000 square feet of glass; splendid situation, 8 lots, 35 ft, troot; water, gas nod electric light on street; greenbouse, office and barn all newly built, with all conveniences; heated by steam. Centrally located in city of 18,000 population in State of Indiana. Competition some to apeak of. Leading establishment in the city. Sickness cause of selling. Address 1810 AAA, care American Florist.

#### FOR SALE!

The stock of five greenhouses, located near Cincinnati, Ohio, comprising horse, wagon and all necessary implements. Rent reasonable; one acre ground. Must be sold owing to death of owner. Electric cars within one square. Apply

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#### FOR SALE.

FIFTY HORSE POWER BOILER with front and fittings complete, F. O. B. \$100.00. Is in first class condition, in use only five years heating school at low pressure......

Address JOSEPH KIFT, Manchester, Pa.

#### NOTICE

#### STOCKHOLDERS' MEETING.

CHICAGO, July 16, 1898.

Stockholders of the American Florist Company:

Vou are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in Hotel Dellone, Omaha, Neb., Thursday, August 18, 1888, at 3 o'clock r. w., for the purpose of cheeting directors and officers for the ensures term, and for the transaction of such other hustness as may come before the meeting.

A. C. AAUGHAN, Pres. M. BARKLR Acting Secty.

IT IS GOOD BUSINESS POLICY TO MENTION THE MERICAN LUMBS WHEN YOU WRITE TO AN AMERICAN TORUST ADMITTED

#### Woodbury, Conn.

I notice from your Boston correspondence that at a recent exhibition of the Massachusetts Horticultural Society J. B. Shurtleff showed a sport of Mme. Salleroi geranium, with leaves more deeply cleft than the parent variety. Geo. S. Allen, of Hotckissville, Conn., has three sports of this variety from plant. One is very dwarf, like Mme. Salleroi, the foliage myrtle green and deeply cleft with a distinct dark zone. Another break is distinctly of the ivy style, with pink flowers, and the third of a less pronounced ivy stamp with varie-gated foliage. Mr. Allen is of the opinion that if the original plant had been given a fair chance it would have filled one house with sports.

We are likely soon to have a good new canna of local origin somewhat after the character of Italia and Austria, but not so coarse. It makes fine growth in the shade, and is now under trial in a position fully exposed to sunshine.

H. L. JEFFREY.

# Going, Going, Gone!

and it's your own fault if you don't get the bargains. Auction Sales of Plants every Tuesday, Thursday and Saturday at 9 A. M. at . . . . . .

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IT IS A GOOD PLAN TO

For next season you may want some Novelties illustrated or plates of same; Special Stationery, Covers, Catalognes, Booklets or Folders, Blotters, Calen-dars, or other Fune Printing. RIGHT NOW, the leisure time of year, is the best time to attend to such.

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Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves

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For Insurance Against Damage by Hail Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.



# Wholesale Flower Markets

|                                           |                                              | j            |          |                                                                              |
|-------------------------------------------|----------------------------------------------|--------------|----------|------------------------------------------------------------------------------|
|                                           | CINCIN                                       | NATI,        | July 21. |                                                                              |
| Carnati                                   | Brides, Brides:<br>Meteors<br>Perles         | um<br>malds. |          | . 8.00@10.00<br>. 2 00@ 3.00<br>. 3.00<br>. 2.00@ 3.00<br>. 50@ 75<br>. 1.00 |
| Tuberos<br>Gladioli<br>Smllax.<br>Adlantu | se, Stocks<br>m                              |              |          | 3.00@ 4.00<br>3.00<br>10.00<br>1.00                                          |
| i                                         |                                              | maida        | ·······  | . 2.00@ 5.00<br>. 2.00@ 4.00<br>. 2.00@ 3.00                                 |
| Carnati<br>Asters<br>Smilax.              | MILWAI                                       | UKEE,        | July 21. | 75@ 1 00<br>. 1.00@ 2.00<br>. 12.50                                          |
| Carnati                                   | Beautles. Brides, Brides Perles Meteors Deas | malda.       |          | 2 00@ 4 00<br>. 1 00@ 3.00<br>. 2.00@ 4 00<br>40@ 1.00                       |
| Gladiol<br>Smilax.<br>Adianti<br>Commo    | im<br>n ferns                                |              |          | . 3 00@ 5 00<br>10.00@12 50<br>75@ 1.00<br>20                                |
|                                           | BUFF                                         | ALO, J       | uly 21.  |                                                                              |
| " ]<br>" ]                                | Beauties                                     | malds        |          | . 2.00@ f 00<br>. 2.00@ f 00<br>. 1.00@ 3 00<br>. 2.00@ f 00<br>50@ 1 00     |

| Lily of the valley | 400 | |
| Sweet peas per dozen bunches | 256 | 30 |
| Smilax | 12 506/15 00 |
| Auratum lilles | 8 00/4/10 00 |
| Asters | 1 00/6/4 1 25 |
| Adlantum | 1.00/6/4 1 25 |
| Asparagus | 50 00/6/75 10 LOUISVILLE, July 21.

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# Wholesale Flower Markets

| CHICAGO, July 22.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Roses, Beautiesper doz, .75@2.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00@ 3.00  |
| Bridea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.00@ 3.00  |
| Meteors, Kalserins<br>Bridesmalds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 00@ 3.00  |
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| Auratum lilies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |
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| Asparagua                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 40.00@75.00 |
| Panales                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | , ,25       |
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DEALER IN CUT FLOWERS.

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Per 100 Per 1000 Am Bouts 3-in Brobounds 3-in, Socioplants.

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Application Blanks and Prospectus Ready.... Write now. Delays are dangerous,

W. J. VESEY, Sec'y, - Ft. Wayne, Ind.

American Horist Company's ...

DIRECTORY Of Florists, Nurmen of the United States and Canada. Price Two Dollars. In Plexible Leather Binding,

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#### ... SUPPLY ... MacDonald & McManus **ORCHIDS**

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Special Attention Given to Shipping Orders. Mention American Florist.

#### JOHN YOUNG, ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street,

NEW YORK.

Price list on application.

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NEW YORK, July 20. 

BOSTON, July 20. | BOSTON, July 20. | | SOUGH |

PHILADELPHIA, July 20.

PHILADELPHIA, July 20.

Roses, Beauties 3 00@ if. 00

Brides, Bridesmaids 2.00 ≥ 4 00

Kaleerins, Meteors 3 00@ 5.10

Carnations. 50@ 7.5

Lily of the valley. 2 00@ 4 00

Japane e Illee 100 6 00

Sweet peas. 15@ 25

Cattleyas 50 00 40 00

Smilax 12 00@ 15 00

Asparagus 25 00 6 3.00

Addantum 50@ 75

# LUDLOW ST. PHILADELPHIA, PA.

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

# Now They're Cheap!!

FLOWERS, ALL KINDS. PLENTY OF THEM AT

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Cood Money for your Flowers. Cood Flowers for your Money. VEST 29TH ST , NEW YORK. 49 WEST 29TH ST ,

#### GEORGE A. SUTHERLAND, Cut Flowers # Florists' Supplies WHOLESALE.

67 Bromfield St.,

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FLORIST'S BRIDES MAIDS.

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Horticultural Auctioneers. 84 HAWLEY STREET, . BOSTON.

# One Good Flower

is worth fifty poor ones but is harder to find in summer. A A A A

Give us timely notice and

we will do the best we can

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NEW YORK CITY.

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Roses shipped to all points. Price list on application.

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Careful Shipping to all parts of the country Price list on application.

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FRANK MILLANG,

WHOLESALE COMMISSION,

408 F. 34th Street.

Cut Flower Exchange.

**NEW YORK.** 

#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

A. J. BROOKE, Pres. E. ALBERTSON Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec.y.

W. E. GARRAT will embark in the nursery business at Engle Grove, Iowa.

President Brooke, of the American Association, has recently added thirty-five acres to his nursery at North Topeka,

The proposition to incorporate the American Association of Nurserymen has been defeated at three separate annual conventions.

Lyman Smith, inventor of several modern methods of handling grain, seeds and farm products, died at Urbana, Ills., July 9, aged 73 years.

The big apple crop of 1896 was largely sold abroad and this year there is a very noticeable increase in the European demand for the fruit.

The Georgia Horticultural Society, of which L. A. Berckmans is treasurer, will hold its twenty-second annual meeting at Americus, August 3 to 5.

THE American Association of Nurserymen has on hand \$536,70 in cash and has due from ex-treasurer N. A. Whitney, Franklin Grove, Ills., \$1,491.80.

Greenfield, Ind.—James Freeman has returned from a very successful trip through the west, selling nursery stock. He reports trade as very good indeed.

CHARLES I. BROWN, of Brown Brost Nursery, Rochester, N. Y., formerly president of the Rochester Chamber of Commerce, has been chosen chairman of the Monroe County Republican committee.

ELGIN, ILL.—John D. Busch, proprietor of the Bluff City Greenhouses, has purchased the stock and business of the Elgin Nursery, Seed and Bulb Company. The consideration was \$6,000. On July 13 the sheriff levied on both establishments to satisfy judgments of \$366, which Mr. Busch adjusted in order to be able to continue.

#### A Laudable Departure.

The ediet has gone forth and exhibitors of truit at the meetings of the Royal Horticultural Society of England will no longer be permitted to advertise manures or fertilizers in connection therewith. In at least one of our leading organizations, the Massachusetts Horticultural Society, we believe such a rule has long been in force, the privilege of attaching business announcements or advertising matter being withheld alike from all. It is an being withheld alike from all. excellent rule, and one which should be adopted in every exhibition designed to promote horticulture. Commenting on the recent action of the Linglish society the Gardeners' Chronicle pertinently

"The Royal Horticultural Society has in many instances of late introduced very necessary improvements in connection with horticultural exhibitions, and though the present modification may be considered a small matter, it is by no means unimportant. Horticultural shows should be made pretty and attractive as possible, and as much by the climination of unnecessary features that tend to mai the beauty of the display as by the intro-

duction of novel and gratitying effects. "Those of us who are in the habit of I

visiting the exhibitions for the purpose of inspecting the plants and flowers to be found there are only too sensible of the untasteful prominence given to advertisement cards. But of these the greatest objection is taken to the cards placed in very close proximity to first prize collections, and suggesting, and sometimes actually asserting, that the produce has been grown by the aid of this or that manure. We need not discuss whether these are placed in such postion by the exhibitors themselves, or by their permission even. It is a fact that they are generally distributed subsequent to the prizes being awarded, and the visitor will seldom see one attached to other than the first-prize exhibit.

"Without asserting that in many cases the exhibits may never have been given any of the particular manure so closely associated with them during their exhibition period, this much is quite certain, that the manure has played a secondary part in the production of the flowers, fruits or vegetables. Is not the first prize in a competition a primary testimony to the skill of the cultivator? His attention to details, his knowledge of the plant's requirements, and his doing of necessary work at the proper time; all these are the chief factors in the successful cultivation of any plant, and were such a cultivator to substitute Mr. So and So's artificial manure for Mr. Somebody-else's preparation, the result would most likely be similar. Gardeners understand this, but the 'man in the street,' the large number of unprofessional cultivators who attend the shows, may be misled.

"It is therefore most gratifying to note that the Royal Horticultural Society has decided that such practices in future will not be permitted at their fruit show. Certain other societies which are ever ambitious of acquiring a respectable reputation would find it to their advantage to adopt a similar course in the matter. We may add, also, that we have no sympathy with the custom of displaying cards advertising the fact that certain exhibits have resulted from the employment of seeds from a particular establishment. As in the other case, the credit is usually wholly due to the cultivator, who would not be likely to make use of inferior seeds."

#### Worcester, Mass.

After weeks of waiting, rain has come our way at last and we anticipate no more trouble for our field crops.

I took a trip the other day, in company with another carnation enthusiast, to Northboro, and looked over H.A. Cook's establishment, which is devoted exclusively to this flower. About thirty thousand plants are in the field in splendid condition and will make unusually good stock by September. Mr. Cook intends to house about five thousand of his seedhing No. 1, which made such a good impression in Boston last winter. Nivea and baybreak will be the varieties grown most extensively. Of the newer ones, Bon Ton, Victor, Bradt, New York, Lyclina, Mrs. F. Joost, Wellesley and John Young will be given a trial this winter. At present they are all looking well in the field, Bon Ton and New York especially large and thrifty. Mr. Cook has just broken ground for a new house 26x150 and will use 14x14 glass, butted, as he is a form believe in this system of glazing.

things about town are a bit slow and or a slight improvement in stock can be noted. A few good carnations are be-

ing cut from the earlier beds planted for summer blooming and we have had a few asters. The supply of good Kaiserins is about right for the demand.

H. F. Littlefield will build a carnation house 23x50. A. H. L.

BRATTLEBORO, Vt.—C. E. Allen had 500 lights of glass broken during the recent hurricane.

HERKIMER, N. Y.—James Barclay has gone to New York to spend two weeks. Mr. Barclay has 7000 feet of glass and is the only florist here.

# The Royal Tottenham Nurseries Ltd. A. M. C. Jongkindt Coninck

DEDEMSVAART, nr. Zwolle.

NETHERLANDS.

Managing Director: A. M. C. VAN DER ELST.

WHOLESALE GROWERS OF

Hardy Perennials, Aquatics (especially new and scarce varieties), Azaleas, Rhododendrons, Hydrangeas and Conifers, beg to announce that their catalogue containing a good many rare and new plants is in the course of preparation and copy may be had on application.

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New and tare hardy plants for forcing. Novelties in Ferns (raised by the largest London grower). The newest and best varieties of roses. II. P. and Teascented. from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New England States.

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#### Herbaceous Perennials

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American Florist Co., Chicago.

HOW TO GROW MUSHROOMS My 21-pp. hookfree to buye a or liftending buyers of spawn; to others, if cents. New supplement on out-door entire by J St. G. GAIDSER, included. First importation of the new spawn due of title part Any 25. Friess on application. C. C. Watson, Juniper & Walnut Sts., Philo, Po.

#### Omaha.

PLANS FOR ENTERTAINING THE CROWD AT THE S. A. F. CONVENTION.—COMMITTEE ON FINANCE AND AMUSEMENTS -LOCAL BOWLING SCORE.

The Nebraska and Iowa Florists' Club met Thursday evening, July 14, to formulate plans for entertainment for the Society of American Florists in August. A committee on finance was appointed, consisting of the following persons: J. F. Wilcox, Council Bluffs, Ia.; A. Donaghue, Sr., and L. Henderson, of Omaha. The committee succeeded in raising a nice sum at the meeting, and will endeavor to add to this greatly during the week.

A committee on amusement and programme was appointed as follows: L C. Chapin, Lincoln, Neb.; A. Donaghue, Jr., J. H. Hadkinson and J. Austin Shaw, of Omaha.

A new building with completely furnished bowling alleys and reception rooms, will no doubt be selected for the convention prize cup contest, as it is adjacent to the main entrance of the exposition. The following is the score for the games rolled July 18 in competition for positions on Omaha's representative

| 1st.               | 2d.    | 3d.    | 4th.    | Αv.   |
|--------------------|--------|--------|---------|-------|
| A. Donahue, Sr.188 | 155    | 149    | 140     | 158   |
| I. F. Wilcox143    | 133    | 177    | 159     | 153   |
| L. C. Chapin130    | 110    | 134    | 160     | 133   |
| G. Swoboda128      | 157    | 100    | 148     | 133   |
| R. H. Davey134     | 110    | 138    | 139     | 130   |
| L. Henderson119    | 93     | 166    | 132     | 127   |
| J.H.Hadkinson157   | 161    | - 59   | 103     | 127   |
| Paul B. Floth109   | 83     | 91     | 116     | 124   |
| I. A. Shaw104      | 163    | 95     | 132     | 123   |
| Geo. Zimmer101     | 136    | 123    | 108     | 117   |
| A. Donaghue, Sr.,  | is thu | is far | the lea | ader. |
| 8                  |        |        | IН      |       |

#### Helpful Reminders.

So far as sales are concerned July, August and September are the florists dull months but this is the season during which we should do our most careful work to bear its rich reward in the selling months of winter and early spring. Now is the time for studious, diligent endeavor; it is the season for starting things right, for "as the twig is bent, the tree inclines. Much important work for next season's crop cannot be satisfactorily accomplished at a later day than the present.

Over a large proportion of the country crops are in the ground, both for immediate use, such as sweet peas, asters, gladioli and pansies, and for winter blooming, such as violets, carnations and hydrangeas. Be careful that, except where the garden has perfect drainage where the garden has personal and affords means for deep rooting, these and affords means for moisture. When plants do not suffer for moisture. I say moisture I do not mean water exactly. People usually want water and not moisture, while the reverse is true of the vegetable kingdom; plants want moisture and not water; they will endure water at the time of a moist atmosphere. such as is usually produced by rain, but when the air is dry and hot be very careful how you water. Your plants will curl their leaves to economize in evaporation and so get through a drought better without your assistance than with it unless it is intelligently rendered. I have seen a field of tuberoses virtually cooked in hot July weather by being drenched with warm river water; the spikes of buds lay perfectly limp and the plants never recuperated. We all know that evaporation has a cooling effect; that upon a hot day the water in a porous jug is much cooler than that in a glazed vessel. We may easily apply this law of

nature to our affairs and, by keeping the surface of the soil in our gardens con-stantly stirred and porous, add to the cooling, life-giving properties of the sun-parched ground. It is far better that the surface of the soil should be dry but porous than wet and hard. Very frequently much delay in blooming is caused by an injudicious summer use of the lawn liose. Many growers were quite late with their violets last season and carnations are frequently inferior at moving time. Too many of us relax our care as soon as plants are set out in our gardens, a mistake for which the following three months can hardly pay. If you cannot manage your garden properly do not use it at all, and unless you can irrigate when the welfare of crops requires it, you would better do all your growing on benches. The hest carnations and chrysantheniums are grown that way by a few who are ever watchful, but it is not my intention to advocate either plan in preference to the other, only to urge upon you the necessity of exercising as much care outdoors as under glass, and particularly to warn you of the immense amount of damage done annually by pouring water over a dry C. B. W. garden.

Spencer, Mass.—The firm of Bigelow & Tyler has dissolved, W. G. Tyler, retiring.

GUILFORD, CONN.-Smith T. Bradley, the Atwater street florist, has just completed his sixth greenhouse. He has a lot of 4,000 very fine carnation plants in the field which will be planted on the benches in the new structure. Mr. Bradley also has 2,000 chrysanthemums and 500 violets doing well for winter blooming.

# Asparagus Sprengerii SEEDLINGS ALL SOLD. Fine Plants, \$8.00 per 100. Sample by mail 10 cents. American Rose Co., Washington, D. C.

ASPIDISTRA Lurida fol. var. just now in good condition without leaves, good roots with spronts, \$6 per 100; sample, 90e per doz. postpaid. Canna "F.orida" for trial 10 cents.

Asparagus Sprengerii Seed. 100, \$1.00 Fresh from the vines. 1000, 8.00

Pampas Grove Nurseries, Greenland P. O., Florida.

#### **Rose Hill Nurseries**

LARGEST Growers of Palms, Orchics Stove and Greenhouse plants, Ferns, Araucarias, Pandanus.....

SIEBRECHT & SON, New Rochelle, N. Y. New York Office, 409 Fifth Ave.

....VARIETIES.

IN BEST

ROSES, from 3-tuch pots. CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS. WOOD BROTHERS, FISHKILL, N.Y.

SMILAX, from 2-inch pots \$1.50 per 100; \$13.00 per 1000. HYDRANGEA Otaksa, from 3-inch pots \$5.00 per 100. GERANIUMS, from 2-in. pots \$2.25 per 180; \$20 per 1000. " 3-in. pots, \$1.00 per 100; \$55 per 1000. " 4-in. pots, \$6.00 per 100; \$55 per 1000. Cash with the order. Send for samples.

FRED. BOERNER, Cape May City, N. J. When writing mention the American Florist.

#### For Florists' Forcing.

White, shaded with beautiful rose pink. Best selling Tulip in the market last season. Bulbs ready in September. & Write for prices.

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HEADOUSRTERS FOR "FANCY" BULB STOCK.

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay Street.



# ORCHIDS!

Arrived in Fine Condition

Cattleya Gigas well leaved, 6 to 8 bulbs, \$24 per doz. Oncidium Kramerii 2 to 3 leaves.

LAGER & HURRELL, Summit, N. J.

#### CHINESE PRIMROSES

20,000 PRIMROSES, single mixed, 2-inch.....\$2.00 PANSY SEEO, 1/2 oz. \$2.00; oz. \$3.50. CASH.

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#### 2000 Smilax

First-class 3-inch stock, \$2.50 per 100; \$20 per 1000.

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25,000 Smilax Extra strong plants out of 2 tor immediate planting at the lowest price ever yet quoted. \$1.00 per 100; \$8.00 per 1000. Cash with order. Bear in mind this is strictly first-class stock and there is a large saving in freight, buying out of 2-meh pots. First come, first screek.

South Side Floral Co., SPRINGFIELD,

It is good business policy to mention the

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when you write to an advertiser.

#### THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

EVERETT B CLARK, Pres : Jos A BOLGIANO, 1st Vice-Pres : S F. WILLARD, Wethersfield, Conn., Sec y and Treas.

C. H. McKubhn is now with the H. A. Dreer Company.

THE Stecher Lithograph Co. has established a branch house in London.

Cape Vincent, N. V.—The home of S. M. Pease, manager of the Cleveland Seed Company, was damaged by fire July 5.

Grand Rapids, Mich.—The Maynard & Coon Nursery and Seed Company filed a dissolution notice with the county clerk on July 16.

Onion seed prospects.—A telegraph report from California July 22, indicates injury to this crop from extreme heat; other crops remain as reported last week.

The assignce of Crossman Bros., Rochester, N. Y., reports that a reorganization of the firm is possible provided the general creditors accept 25 per cent of their claims.

TEN and a quarter millions of dollars have been spent on experiment stations and the free distribution of seeds in the United States, not to mention the large appropriations made by the various states for similar purposes. Thereceipts, evidently, go to generations yet unborn.

#### Bulb Growing in North Carolina.

I am still at work endeavoring to demonstrate the adaptability of our soils and climate here to the production of flowering bulbs on a commercial scale. It has been hard for me to get those in control to realize that there is any importance to our people in anything beyond corn, potatoes and cotton, and hence my work has been retarded by lack of means for putting the work on a scale sufficiently large to attract the attention of the trade. But we have done enough to demonstrate that we can grow here with perfect success most of the bulbs now imported for winter forcing. In the case of Lilium candidum we have grown bulbs which were vastly superior to those from France and the same can be said of the Roman hyacinth. Last fall I tried a small lot of small sized and badly diseased bulbs of Lilium Harrisii. They grew healthily and though the bulbs are still small we feel sure that the matured crop will be fine and healthy. More than this, we feel certain that we can produce these in full time for early forcing. Narcissus Tazetta, the Chinese sacred bly, made bulbs here that bloomed more quickly in water than the imported ones. White Italian hya-cinths make bulbs that look like Dutch, and much larger than the Dutch we have been getting lately. Dutch hyacinths are this year larger and finer than any that will be imported if the accounts from abroad are correct. We are hoping to get the Department of Agriculture at Washington interested in this matter so that we can get them to divert a little of the money now wasted in common garden seeds to experiments that may establish a new industry here. We have, we beheve, demonstrated that the true bulb soil of our state is the medium sandy upland near the coast and not the deep sand of the sand hills where we have made some e-periments. They suffer there too much from drought. We have here a vast area of good soil in a fine

climate in our lower coast region, and I am trying to get some of the northern colonists at Chadbourn to take an interest in bulbs. The great difficulty here, aside from lack of experience, is the fact that it requires some expenditure of capital to get started on a commercial scale and our people are poor and indisposed to take risks. If some of the northern dealers would put a large lot of stock here the matter could soon be settled, and the industry put on its feet. That we can produce the bulbs I am satisfied beyond a doubt, and that we can grow them at a profit to the growers we feel quite certain.

W. F. Massey.

Raleigh, N. C.

LANCASTER, Pa.—Julius P. Siebold reports a spring trade which was double that of any of his preceding years. His force worked almost night and day to keep up with the rush and now is busy with preparations for next season. Mr. Siebold is re-building a house in which he proposes to try winter vegetable culture. He has planted quite a little celery and finds that the drought keeps one person fairly busy handling the hose.

#### August Rölker & Sons,

Send \$1.00 for one trade packet each of

Primula SEEDS

in choicest strains—Our list quotes all other florists seeds and bulbs. For trade lists, address

52 Dey Street,

NEW YORK.

#### BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

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#### TRY DREER'S Garden Seeds,

Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade Listissued quarterly, mailed free to the trade only.

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#### COLD STORAGE VALLEY ALWAYS ON HAND.

CASES of 2500 pips, extra quality, \$25.00; per 100., \$12.00. CASES of 3000 pips, good quality, \$25.00; pe 1000, \$10.00.

CLUCAS & BODDINGTON CO., 501 & 503 West 13th St., NEW YORK CITY.

"BEST OF ALL" TOMATO
"ENGLISH" MELONS
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TOWER SEEDS FOR FLORISTS

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Catalogues on application.

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# SEEDS LAWN GRASS \$12.00 per 100 lbs. Finest Quality Ever Offered (Retails (@ 30c. lb.)

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From careful inspection by our representative in the growing fields during the past season, we believe this "BERMUDA" stock to be the purest giant flowering strain of White Freesia in the world.



A Few of OUR SPECIALTIES: "London Market" Brand Lily of the Valley Pips,

lapan Lilium Longiflorum, Lilium Harrisii, Azalea Indica and Bermuda Grown Freesias. WHITE GIANT FLOWERED

"Bermuda" Grown. A New Crop Now Ready.

| MAMMOTH SIZE. | Per 100 | Per 1000 | SELLECT SIZE. | \$40.00 | 7.00 | Samples free on application.

<u>LILIUM</u>

Indispensable for farly forcing)

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As Healthy as Grown on the Island &

READY JULY 25th.

PRICES LOW CONSISTENT WITH QUALITY.

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American Florist Gompany

324 Dearborn Street,

CHICAGO, ILL., U. S. A.

#### Detroit.

HOT WEATHER PRODUCES ITS EFFECT ON STOCK AND PRICES AS WELL AS DEMAND. -TAPLIN'S HOME-GROWN AZALEAS.-OTHER GOOD STOCK.—BEARD BROTHERS LOSE BY HAIL.

We have been having unusually hot weather and it has caused deterioration all along the line. The quality of stock has gone down; so have prices and so has the call for flowers. Good flowers are so searce that florists all have a hard time in getting blooms with which to trim their windows. Japanese lilies are helping out some.

S. Taplin has some home grown azaleas. hundred plants in all, which effectively controvert the old story that good azaleas can not be grown in this country. These plants were propagated from cuttings and some of them are now perfect pyramids ten to twelve feet high and six feet through. They are covered with leaves from the tub up and are per-tect plants in every way. Many of the tect plants in every way. Many of the plants are in 12 and 14 inch pots and are four or five feet in height, trimmed to perfect cones. Several standards have stems four feet long and heads of almost equal diameter. They would make a grand show in any florist's window. Mr. Taplin also has a fine lot of cattleyas, most of them in 8 inch pots and in good condition. He claims that they can be grown to good profit if given proper attention. He has some large and fine looking Cologyne cristata and also grows evpripediums well.

Our recent hail storm skipped over the city and only touched two florists but it hit them hard. Beard Bros. lost \$300 and S. Taplin had very little whole glass left after the storm passed. Neither had

insurance.

At the great race for the Merchants and Manufacturers Stake this week, the winning horse was presented with a floral blanket. It was a well executed piece of work and made a great hit with the crowd.

BURLINGTON, IA.-John Nordean has a most attractive home and place of business. When he started, four years ago, he bought land which was anything but attractive, but has since filled it in and made it beautiful. Mr. Nordean learned floriculture at the royal gardens in Sweden and in Berlin.

# EXTRA Clean Stock!

#### Kentia Belmoreana

5-in 5 to 7 leaves \$15 to \$24 per dozen. 5-in 5 to 6 leaves 12

#### Kentia Fosteriana

6-in 5 to 6 leaves - \$12 to \$19 per dozen. 5-in , 1 to 5 leaves - 3cto -13

GROWN CARNATIONS...

Value of the ready for Sept. delivery

#### THE COTTAGE GARDENS

QUEENS, N. Y.

#### ROSE HILL NURSERIES. Special Offer:

CROTONS, Card duch pots highly colored to the ard by the per limiters, to six varieties 2% then lets carly for brein pots 1 100 per [100].

SIEBRECHT & SON, New Rochelle, N. Y.

MENAND STATION, Albany, July 7, 1898.

Having come to the: Heroic!! determination (for me) to sell all my stock of old relies, in the line of plants-which I have coaxed for upwards of 60 years. I send this information, that, besides the stock of all I have, I have perhaps a dozen or more of valuable plants "3 unique": A "Cycas revoluta" 8 feet high, with the tub and stem almost a yard in circumference, a splendid plant.

One Zamia or Ceratozamia "Lehmaniana glauca" with a bulbous stem of 4 feet in circumference and 2 feet high-with perhaps 100 leaves, 4 feet long or about, as fresh looking as the Celestial dew! as I suppose it is in the ethereal regions! Whither we may go sooner or later. . . . . Giving the whole plant a diameter of 9 feet -a vegetable monument in a greenhouse!!

Also a Banksia serratifolia, a New Holland plant, very rare, nearly in bloom with 12 inflorescence 7 or 8 inches long, 4 inches diameter, a curiosity!! and lasting long: the plant is 6 or 7 feet high, and 18 inches circumference at the base.

#### L. MENAND.

ALBANY. N. Y.

READY FOR STORE

TRADE

3000 RUBBER TREES in perfect health, half red.
4-inch pota, \$40; 55, \$50; 6, \$60 per 100. None hetter Rendriv o \$111; 4, \$25; 5, \$31 per 100.
FERNS for dishes: Pteris Cretica Major, etc., 2½-in.,
\$25(3) 3½-in. \$9 per 100.
NEPHROLEPIS, 3½-in., \$12; 4½-in., \$15; 5½-in., \$35
per 10.

per 1.0.

ASPIDISTRA (kreen), \$10 per 1(0 leaves.)

6 LARCE CYCAS (Sagos), 5 to 10 feet high, very cheap, would exchange for young Kentlas and Pandanus Vettchil.

PALMS in variety—have 55,000 to select from. Fresh cat Sago leaves, 75c and \$1,00 each.

Medal awarded on Palms at World's Falt. 1835.

Contracts for steady shipments of fine cut flowers, intrinst roses, aspiragus, etc., made now with itst day parties only.

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# E. G. HILL & CO.,

RICHMOND, INDIANA.

#### Cycas Revoluta Stems

Popular sizes, 3 to 6 lbs each. ..... 10 ets. per lb.

Please Mention the American Florist,

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THE FINEST STOCK IN THE WORLD

Palms

SANDER,

**Bay Trees** 

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Araucarias 60 Vesey St., NEW YORK.

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# Asparagus Sprengeri

(0.000 Plants in 25g inch pets, \$5.00 per 190 - express - 21 per \$1.50 by min's Specimens for 8 in. pets, \$6.00 per 12.

A. BLANC & CO., Philadelphia ்ப ப நகுகுகள்ளை நகுகுகுகுகள் நகுகுகை

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#### VERY CHEAP AND FINELY SHAPED BELGIAN PLANTS

AZALEA INDICA, very fine stuff, well budded, £3, £4, £5 to £20 per 100.

AZALEA RUSTICA, flure pleno (double), well budded, £4, £5, to £8 per 100.

AZALEA MOLLIS, bushy plants, well set with buds, £2, £3 to £5 per 100.

AZALEA MOLLIS, thybrid (single rustica), well set with buds, £3, £4 to £8 per 100.

RHODODENDRONS, grand stuff, well set with buds, £3, £4 £5 to £8 per 100.

Palms, Dragmas, Aspidistras, etc., etc. Ali the above are of the best market varieties.

#### JEAN BRACKE, The Nurseries

LOOCHRISTY, nr. Ghent, (BELGIUM).

Say: "Saw it in the Florist."



Kentia Belmoreana and Forsteriana will arrive in a few weeks.

J. L. SCHILLER 404 EAST 341h STREET..

THE FINEST WINTER FLOWERING

## PLANT OF THE CENTURY

#### Begonia Gloire de Lorraine THIS fine variety keeps up a succession of bright

This line variety keeps up a succession of bright rosy pank blossoms throughout the Winter, and is invaluable for florists' work. H. B. May, who was the first to bring this striking novelty into popularity, holds the fluest stock in the world. Pince \$20.00 per 100, packed free. Orders for export carefully packed.

H. B. MAY, Dyson's Lane Nurseries, Upper Edmonton, Landan.



# To Make a Ten Strike Start Your Ball Right. The American Plant Pour Ball Right. The Barnard's Purchasing Department for Florists furnishes information about lowest factory prices on Glass, Pipe, Fittings, Paint, Tools, and other material used by florists. We have already saved our friends hundreds of dollars on such merchandise and thereby earned the good will of the trade. It is an accommodation worth while considering. Write and investigate. OUR SPECIAL PRICES on Fall Bulbs Seep 100, 575 per 1000. Freesia Refracta Alba (Bermuda grown), 65c per 100, 837.50 per 1000, 537.50 per 1000, 537.5

#### MEXICAN BULBS

We are booking orders for Fall delivery of Amaryllis, Milla Bessers, Cyclobothra, Tigridias, etc. Send list of wants for estimates. Catalogue firms will find these buils cheap for arranging attractive collections.

Cacti and Orchids—We keep a supply the year round for attending to orders from florists.

Mexican Parrots—This is the last mouth we receive orders. Double Yellow Heads, \$40 per doz; Red Heads, \$18 per doz. Florists dealing in birds will find these cheap import prices.

J. A. McDOWELL, P. O. Box 167, City of Mexico.

HYACINTHS, TULIPS, CROCUS, ETC. RUDOLPH VAN TIL & CO.,

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American Representative

L. C. BOBBINK, Rutherford, N. J. ASK FOR CATALOGUE.

#### For FLORISTS... For SEEDSMEN.

VAN ZANTEN BROTHERS.

Greatly improved and well-known to be of the very finest grown. Packets put up specially for Florists, of beat single and double varieties. 400 seeds. \$1 00; \$2-pkt., \$00. Plants ready in August. at \$2.50 per 100. Cineraria seed of large flowering dwarf varieties in choicest mixture, pkt. 35c; 6 pkts... \$1 00. Primula obconica, pkt... 1000 seeds. 35c Primula floribunda, fine yellow, pkt., 25c. IOHM F Rillep

JOHN F. RUPP, Shiremanstown, Pa.

# Now Ready

THE American Florist Company's DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada arranged both by States and Post Offices and all names Alphabetically. Fully revised to date with npwards of 3,000 New Names. Price \$2.00; in flexible leather binding, \$3.10.

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#### INTERNATIONAL PRIMULA **MIXTURE**

This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds with a sprinkling of other colors, enough to give a large variety of colors. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

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|   | International   | - 5 | - 14k | 15.  | 1750  | * * | \$2.10 | ) |
|   | Primula Mixture | 11  | WE I  | l-16 | oz.   |     | . 2,50 | ) |
|   | 011             |     |       |      |       |     | *000   |   |

| Chinese Primula 350 seeds      | 1000<br>Seeds |
|--------------------------------|---------------|
| Chiswick Red                   | \$1.75        |
| Atrosanguinea, rich red50      | 1.70          |
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| Blue, clear sky-blue50         | 1.70          |
| Alba, pure white               | 1.50          |
| Mixed, 18-02 \$3.00            | 1.00          |
| Double Mixed                   | ds, 50e       |

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#### SEASONABLE SEEDS INCLUDING PERENNIALS AND

NEW CROP PANSY SEED.

#### CHATER'S PRIZE HOLLYHOCK'S.

CHATER'S PRIZE RULLINGER 6.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors. Sow now.

Trade pkt.

11-02. 25c. 75 10c.

Double Hollyhocks, good mixed 200

#### Vaughan's Columbian CINERARIAS

Very finest English, French and German strains: the flowers are extra large, from 7 to 8 inches in circumference and in most brilliant

Columbian Cinerarias mixed, per trade pkt. about 1000 see as 50c; 3 pkts. for §1,25.

CINERARIA HYBRIDA, large flowering mixed, trade

CINERARIA HYBRIDA NANA, large flowering dwarf.

CINERARIA, double flowering trade pkt. 50c.

# VAUGHAN'S NEW YORK: 14 Barclay St.

84 & 86 Randolph St., CHICAGO.

OUT OF

21/2 INCH POTS

#### Rochester N. Y.

We are sadly in need of rain, and outdoor flowers are getting scarcer and poorer every day, and although the demand is not very brisk at present our florists are not at all pleased with the quality of stock available.

A visit to a new addition to the nurseries of Ellwanger & Barry, situated several miles south of the original grounds, shows plainly what can be accomplished by thorough cultivation of the soil under the existing unfavorable weather conditions. Like all the numerous large farms which this old reliable firm has acquired during the last half century, these grounds were first systematically and thoroughly drained at a considerable expense, before any attempt was made to plant young The grounds are now kept perfeetly free from weeds; cultivators and plows go through the rows every week and when necessary a gang of men follow with hoes. About twenty five or thirty acres are devoted to hardy roses, one and two years old, and Mr. Ellwanger, who invited me to accompany him on his daily tour of inspection, repeatedly called my attention to the vigorous growth of various varieties as we passed along through the narrow driveways between the blocks. "Given new soil for roses and we can get the growth every time, never mind the dry weather," was one of the remarks of the venerable expert. "We have roses in older parts of our nurseries, which in growth compare very favorably with these, but you must remember that we adhere to our practice of changing about; resting the ground by introducing farm crops and grass for some years, treating the land to liberal quantities of well decayed stable manure before we again use it to grow nursery stock. Still I always prefer new land for roses."

Although the regular rose season is past weeks ago, thousands of perfect flowers are to be seen yet in these fields. The soil, though naturally of rather stiff loam, is now loose and friable, with plenty of fibre intermixed, just like the best material we may use for potting. Constant stirring has broken up all the lumps, and in such soil we may expect ample root formation and strong growth. Several gangs of men were busy budding, for about one half of the roses grown here are on Manetti stock. The selection of scious and buds is entrusted to the foreman of the ornamental department, who is under strict orders to use only the very strongest and best developed buds, for Mr. Ellwanger has found, in his long experience, that a vigorous bud on a vigorous stock always produces a good sala-ble plant, while inferior buds produce correspondingly interior stock in spite of good culture. Formerly, for many, many years, all the buds were selected by the old gentleman himself, and it was with reluctance that he relinquished the task. Even now, at nearly \$2 years of age, he shows the keenest interest in this important work, and quite frequently be ersonally supervises the selection of buds and gives acceptable advice to the man in charge. Nearly all the rest of this tertile preceof ground is planted to young shrubs, of last summer's propagation Some few thousands of fruit trees are onthe farther end, and every plant or tree is perfect and shows the beneficial effects of good, well-prepared soil and thorough cultivation.

CHISTIR, P.V. Thomas, Hall, who has been with J. J. Styer, has resigned and will go to South America.

# SE PLANTS!

..... 3.00 per 100.

25.00 per 1000.

Successors to... Wietor Bros., ROGERS PARK FLORAL CO.

Wholesale Growers of

**CUT FLOWERS** ROSE PLANTS...



51 WABASH AVENUE. ...CHICAGO...

# The Last Chance Forcing Roses

1000 Beauties ROSE PLANTS! 1000 Meteors

Absolutely unexcelled stock. Must be thrown out at the end of a week to make room for planting. Will sell small lots at \$4.50 pcr 100. You can have them all for \$35.00 if you write quick. Cash with order.

ROBT. CRAIG & SON

Roses, Palm

and Novelties

Market and 49th Street, PHILADELPHIA PA. Market and 45th 5000

#### ROSES! ROSES!

Brides, Maids, Kaiserin and Meteor from 2-inch, 3.00 per 100; \$25,00 per 1000. Brides and Meteor, from 3-inch, \$5,00 per 100;

er 1000. 5.00 per 1000. 50 at 100, and 500 at 1000 rates. Cash with order.

ROBERT F. TESSON,

St. Louis, Mo. West Forest Park,

#### AMERICAN BEAUTY

Fine young plants, healthy and strong. 2½-inch pots, \$8.00 per 100; \$70.00 per 1000.

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, Cash with order. PHILADELPHIA, PA.

Money Order Office, Station H. Phila

# Chrysanthemums!

plants from 2-inch pots. Send for price list Discount on large orders. . . . ,

#### H. WEBER & SONS, Oakland, Md.

Please mention American Florist.

#### FORCING ROSES

|       |         |          |       | 40.00   | 401.   |        |            | 0.45 |       |
|-------|---------|----------|-------|---------|--------|--------|------------|------|-------|
|       |         |          | Per   | 100     | 1500   | 1000   |            | Per  | 100   |
| BRID  | E       |          | 82    | 50      | . \$22 | .50    |            | 19   | (H)   |
| BRID  | ESMA1   | D        | . 2   | .50     | 22     | 50     |            | 1    | 1.00  |
| MISTI | 0016    |          | 2     | 50      | 22     | 50     |            |      | 1 ()( |
| White | Plake   | le? bu   | ow R  | nioble  | еги, в | naue.  | $-M\alpha$ | onvl | nee   |
| ì     | \$20,00 | i, Alter | nant) | terns ? | ELS DO | per 10 | JUNE,      |      |       |
|       |         |          |       |         |        |        |            |      |       |

THE NATIONAL PLANT CO., Dayton, Ohio.

#### SURPLUS ROSES.....

Brides, Bridesmalds, Perles, La France, lestout, Siehrecht: pure healthy stock

%5 00 per 100 %2 50 per 100

E. NAGEL & CO., 824 Nicollet Ave., Minnepelis, Minn.

# HEALTHY STOCK \*\*

| We claim GOOD VALUE at these prices. Send-<br>for samples.  |
|-------------------------------------------------------------|
| 24 m. per 100 34 in, per 100                                |
|                                                             |
| American Beauty                                             |
| Papa Goutier 4.00 10.00                                     |
| Pres. Carnot 4.00 10.00                                     |
| La France                                                   |
| Mlle, Helena Cambier 4.00, 10.00                            |
| Kaiserin A. Vietoria 4.00, 9.00                             |
| Perle des Jardins 3.50 9.00                                 |
| Brides                                                      |
| Bridesmaids 3.00 8.00                                       |
| Meteors                                                     |
| Clothilde Soupert 3.00, 8.00                                |
| Mosella 3.00, 8.00                                          |
| Asparagus Sprengeri, 2-in. pota. strongper 100, \$5 (0      |
| Asparagus Plumoaua, 25-1n. pots, fine stock 7 00            |
| Boston Fern 24-1n                                           |
| Nephrolepis Exaltata. 4-in                                  |
| Ferna in assortment, 24-in, 4.00                            |
|                                                             |
| Arancaria Excelsa, 6-in. pots, 15-18-in. high @ \$1 50 esch |
| Cocoa Weddellana. 3-in pota @ \$2.50 per doz.               |
| Kentias, Arecas, Latanias, etc., large quantities in all    |
| sizes. Write for Special Prices, on sizes you want.         |

#### VAUGHAN'S SEED STORE.

Creenhouses: CHICACO:
Western Springs, III. 84-86 Randolph St.

# Surplus Stock of Roses

CHEAP! Speak quick if you want them!

700 Beauties, 300 Meteors, 300 Brides in 3-in.; 100 Meteors in 4-in.; 700 Brides and 700 Bridesmands in 2½-in. GOOD PLANTS.

JOSEPH HEACOCK, - Wyncote, Pa.

#### ROSES

| KAISERIN, Ulg-in.    |     | \$3.00 per 100 |
|----------------------|-----|----------------|
| BRIDES, 314-in       |     | 4.00 per 100   |
| BRIDESMAIDS, 31/4    | -in | 4.00 per 100-  |
| METEORS, 31g-in      |     | 4.00 per 100   |
| Very choice; grown ! |     |                |
| turned of our av     |     |                |

BRANT & NOE, - Forest Glen, III.

SES Clean, healthy plants from 3-Inch pots, \$5 per 100.

Mrs. Morgan, Meteor, White La France, one year olds.

Perles, Brides and Maids, strong, 3-inch pots, Bridesmaids, 2)<sub>2</sub>-inch, \$3.00 per 100.

JOSEPH HEINL, Jacksonville, III.

# They Don't Miss

Who take the right course and dispose of surplus stock 🧀 through the advertising pages of & &

#### The American Florist

IT HAS NO RIVAL.

#### Buffalo.

BUSINESS BUMPS THE BOTTOM. - SWEET PEAS AND CARNATIONS.—ANDERSON'S DECORATIONS,-PLANS FOR THE EXPEDI-TION TO OMAHA. - NOTES AND COMMENTS.

Trade at present is even too dead to bury. Occasionally a funeral order awakens the echos in the deserted stores and I did hear of one warm weather wedding for which the floral work was a bunch of eighteen roses; I believe there was some talk of having them photo-graphed. Sweet peas are abundant but the stems are short owing to the dry Carnations are still good and weather. about the best things we get.

The B. Y. P. U. held a convention here last week and S. A. Anderson had charge of the decorating. It is needless to say he used some palms but the work

was effective. You can find a good display of palms, ferns, pond lilies and turtles in the different florists' windows all arranged differently.

The boys are making preparations to go to Omaha and if every other city is as well represented as I think Buffalo will be, the attendance will be good.

The florists who made lawn vases and bedding work their specialty for May and June can now be approached by the ordinary retail dealer without sending in his card as they are now busy only in making out bills. In almost every store now one or more of the employes are enjoying a much needed rest and as all the stores with one or two exceptions close at 6:30 p. m. the others have no reason to complain until their turn comes.

As yet we have made no preparation for our annual outing. Somebody is tired and if only the same degree of activity is shown in preparing for the flower show as there is in getting the boys together for meetings and outings we all know what the consequences will be—a small crowd

Prof. Cowell, of the Botanic garden, called the other day and seemed very inhilant.

#### Brides Bridesmaid ...Perles

3-inch Pots, \$4.00 per 100,

#### **200 Grafted Bridesmaid**

4-inch Pots. \$10.00 per 100.

S. J. REUTER, WESTERLY, R. I.

# Roses

Clean, healthy plants, from 31/2-in. pots, Perles, Bridesmaids and Brides \$5.00 per 100.

HIRAM E. WILSON.

ROCHESTER, N. Y. 134 Hayward Park, ROCHES
Mention American Florist.

200 SOUV. DE WOOTTON. out of 21/2-inch or 3-inch pots. State price.....

J. O. ZIMMERMANN, Florist, Pueblo, Colo.

# ROSE PLAI

#### AS GOOD AS CAN BE GROWN

We have the following Rose Plants, the same stock as we have planted in our own houses, still on hand and for sale. We guarantee them to be first-class in every respect. . . . .

| 3000 | Am. Beauties | 21 <sub>2-</sub> i | n. po | ts | \$5.00 |
|------|--------------|--------------------|-------|----|--------|
| 2000 | Bridesmaids  | $21_{2}$           | 44.   |    | 2.50   |
| 800  | Meleors      | $2^{1}2$           | 4.6   |    | 2.50   |
| 500  | Brides       | $2^{1}$            | 4.4   |    | 2.50   |

FIRST COME-FIRST SERVED.

# BASSETT & WASHBURN, Hinsdale, III.

# 40,000 FIRST QUALITY FORCING ROSES, MMEDIATE PLANTING.

sent out the last six years. first class and perfectly healthy in every respect, selected growth from flowering shoots used in propagation.

METEOR PERLE BELLE SIEBRECHT.

| 3 inch pots, \$8.00 per 100. | 4-loch pots, \$12.00 per 100. | KAISERIN | MME. HOSTE | Strick pots, \$12.00 per 100. | BON SILENE | BINDE | BRIDE | BRI

J. L. DILLON, Bloomsburg,

BEAUTY, Bride, Bridesmaid, Perle, La France, Les Morgan, Niphetos, Kaiserin, 3 and 4-inch Bride, Bridesmaid, Perle, La France, Testout,

Asparagus Plumosus, all sizes.

MARIE LOUISE VIOLETS, young plants, well rooted. MacBEAN, Lakewood, N. J.

#### GOOD Roses and ....STOCK Chrysanthemums

BRIDES, MAIDS, METEORS, 3-in., \$5 per 100; \$45 per 1000; 4-in., \$6.50 per 100.

3-11., \$5 per 100; \$45 per 1000; 4-in., \$6.50 per 100.

BEAUTIES.
3-in., \$6 per 100; \$55 per 1000; 4-in., \$7.50 per 100.
2½-in. stock of Glory de Pacific, Mand Adams, Lady Fitzwigram, Bergmann, Bonnaffon, Robinson, Modesto, Perrin, Viviand-Morel, Mand Dean, Mand Adams, Emil and Gretchen Buettner, Yellow, White and Pink Jones, D. Spundling, Lottie Berry, Henderson, Crawford, Snowball, Defender, Mayllower, Thanksgiving, Whithers, Murdock, Golden Trophy, M. M. Johnson, Sunderbruch, Merry Monarch, Marquis de Montmort, price \$3.00 per 1000.

Poehlmann Bros., Morton Grove, Cook Co., III.

2-in. per 100 3-in. per 100 Am. Beauties . . \$5.00 Perle . . . . . . . \$2.75 4.50 Bridesmaid ... 4.50

MAPLEWOOD CUT FLOWER and PLANT CO. PLEASANT HILL, MO.

## CHOICE 3-INCH PERLES

For Immediate Planting. Fine stock, which will make you money. Write at once.
Also some extra nice 3-inch METEORS, and some good BEAUTIES and BRIDES. Samples on receipt of 25 cents to stamps

W. H. GULLETT & SONS, Lincoln, III.

## unoice JUBILEE CARNATIONS.

in 3-inch pots, at \$4.00 per 100. Also SMILAX, In 3-Inch pots, at \$3.00 per 100.

ROSES in 3-in. pots. Brides, Siebrecht, Meteor. in 21g-in. pots, Maids, Brides, Beauties. Send 50c or \$1 00 for samples and prices to

GEO. A. KUHL, PEKIN, ILL.

With Good Heads and Sub-stantial Feet,....

BRIDE BRIDESMAID GONTIER

\$10.00 per 100; \$80.00 per 1000. From 4-inch pots, and they are good. Other desirable sorts in limited

GEO. L. PARKER,

807 Washington St., Dorchester, Mass.

Strong, healthy stock such as we use for our own planting.

300 PERLE 175 SUNSET 100 METEOR 300 SIEBRECHT 135 Pres. CARNOT 400 TESTOUT

3-inch pots, \$5.00 per 100.

150 BRIDESMAID 300 BRIDE

500 PERLE

) 2-inch pots, \$3.00 per 100.

L. L. MAY & CO., St. Paul, Minn.

We do, while stock lasts. PERLES, 31 2-in ......\$5.00 BRIDESMAIDS, 3-in...... 4.00 WATER HYACINTHS, per 15 \$1.00.

All stock perfectly clean. Roses very strong and bushy. Here's your money's worth. Terms cash.

# Jos. M. Smely,

Successor to Roscoe Saunders.

354 S. FOURTH ST. AURORA. ILL.

#### S LEFT TO SELL.

200 Kaiserin, 3-inch pots, \$7.00 per 100; 1200-Bridesmaids, 4-inch pots, \$9.00 per 100; 800 Brides, 4-ich pots, \$9.00 per 100. All are A4 fine, healthy stock. Cash with order, 500 in one order of Maids and Brides at \$8 per 100. Also a fine stock of Begonia Rex, best varieties at

WM. F. KASTING, Buffalo, N. Y.

# Surplus Roses

Brides, Bridesmaid, Perles and La France; line healthy stock (11 \$4 per 100; 4-inch pots, \$6.4.4

CRABB & HUNTER, 509 Madison Ave. GRAND RAPIDS, MICH.

#### Pittsburg.

TRADE IS DULL.-LIGHT RAINS PROVE MOST WELCOME.—FLORISTS' CLUB TO DISCUSS OPENING A COMMISSION HOUSE.—LUDWIG DESIGNS A FLORAL FLAG. -NOTES.

Business continues in the same quiescent state that it has been in for the past three weeks, there being no general trade to speak of. There have been several rains since last report, and, although not near enough, they have helped the outdoor stock immensely.

The Pittsburg and Allegheny Florists'

Club will hold its regular monthly meeting on Monday evening, July 25, and will discuss the advisability of opening a wholesale cut flower commission house here. The growers are especially invited to be present, as they are very directly interested. It is hoped there will be a large attendance.

Louis Schmidt, who has been with J. L. Wyland for several years, writes from Boulogne-Sur-Mer, France, of his safe arrival in good health. Mr. Schmidt will visit many of the large establishments in France and Germany before he returns.

At one of the recent numerous flag raisings, a young man, sick with consumption, requested the privilege of pulling the flag to the masthead. A few days after he died, and a floral flag was ordered as a funeral piece. Gustave Ludwig furnished it. The pole and knob were made of Daybreak carnations, the stripes of white and red carnations, the field of cornflower and the stars of tuberoses. Over 7,000 carnations were required to complete the beautiful design.

Wm. G. Bertermann, Indianapolis, Ind., visited here this week. REGIA

CHARLOTTE, MICH.-Carl Mapes has gone to Detroit to prepare for his season with D. M. Ferry & Company.

#### SURPLUS STOCK.

8000 Scarlet Single

From 2:3-inch pats, per 100, \$1.00. From 4-inch pats, per 100, \$3.00.

Bruants, Hendersons, and best other scarlet sorts, fine, stocky plants.

JOHN C. URE, \_\_ ARGYLE PARK, ILL.

| Geraniums | S. A. Natt. 2023, strong | 42 | Mine. Bruant, 2023 | 33 | Mixed new and stand-red varieties | 22 | 20 | 43 | ASPARAGUS | Plume in Stand 2023 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 |

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...PLANTS...

...SEED... Ready now at \$1.50 per 14 oz. ....PLAN IS... Ready now, 75c per 100; \$5 per 1000. September to January; 75c per 100; \$4 per 1000.

Sample plants for 10 cents. 🚜 🚜 🎉 ALBERT M. HERR, Lancaster, Pa.

ndard varieties, \$2.50 per 100. A list of varieties turnished on application.

A1.80 Per 100 CYPERUS ALTERNIFOLIUS, 256-inch pots.....\$2.50 GREVILLEA ROBUSTA 2.50
GERANIUMS, fine plants, 2½-inch pots, new and standard sorts (vars, on application) 2.50 ASPARAGUS TENUISSIMUS, 4-in. pots.......10,00 VINCA MAJOR VAR., 3-inch pots...... 4.00 

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#### SMILAX CELERY CABBAGE

SMILAX=2\(\frac{1}{2}\)-in., large and healthy, \\$1.00 per 100; \\$8.00 per 1000. Just as good plants out of flats each plann carefully wrapped for shipment, \\$4 less above prices.

Field-grown Cabbage Plants, 15c per 100; \\$1.00

Field-grown Calland per 1000. Field-grown Celery same price. Celery, very large, transplanted once, 25c per 100; \$2.00 per 1000. White Plume and Gintt Pascal. Cash with order. Samples by mail, 10c.

R. KILBOURN, Clinton, New York.

# CANNAS—Last Call

A few Austria Cannas left; will close out (11 \$1.50 per 100; \$10.00 per 1000, 24 24 24 24 24

The Conard & Jones Co., WEST GROVE.

Please Mention The American Florist.

#### NOW PANSY PLANTS ....READY

30,000 mee seedling Pansy Plants new rendy from 1808 seed for November and later blooming, 50e per 100, \$2.50 per 500, \$4.00 per 1000. Samples free, Mittings Giant Flowering Pansy Seed, trade pkt., 50e; 1 co., \$4.00. This seed will raise 50,000 plants to the 4b

THE MORRIS FLORAL CO., Morris, III.

#### VEGETABLE PLANTS.

CABBACE = 11 Succession Flat Dutch, Autuum King Drumhead, Savoy and other varieties. CELERY White Plume, Golden Seit-Bianching, Giant Pracal, Golden Heart and other varieties. TOMATO - Livingston's Stone, Praragon and other varieties. All above plants Held-grown, Lic per 100: \$8.50 per 10,000. If by mail add the per 100: \$8.50 per 10,000.

R. VINCENT, Jr., & SON, White Marsh, Md.

White Plome, Golden Self Blanching and Giant Pascal.

d grown plants at \$1.00 per 1000, \$8.50 per 10,000, with order - samples free.

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F. DORNER & SONS CO. La Layette, Ind.

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INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.

#### Fred. Roemer.

Seed Grower, - QUEDLINBURG, GERMANY.

Roemer's Superb Prize Parsies, Improved strain, new crop, ready n.w. This new mixture is saved from the very finest selected plants from all leading nove ties of art colors, without doubt the finest strain in the market today. Mixed, per pkt. of 3000 seeds. \$1.00; \$4.00; \$6.02, \$2.73; 1.02, \$5.00. White, yellow, black and blue, in separate colors, \$1.00 per pkt. of 3000 seeds.

CASH WITH ORDER.

#### PETER BROWN, - Lancaster, Pa.

Crower of Extra Fine Pansies. Plants ready Sept. 15th.

# PANSY

The finest of all the Glant flowering varieties to be had. No better grown; carefully selected; very large flowers, of perfect form and choice colors. All my forlist customers praise this strain very highly; requires no better evidence of superiority. Every florist should be sure to sow of it this senson. For trade pkt. of 3500 seeds. \$1.00; half pkt., 50c. A pkt. New Forget-Me-Not, "Jewel," with every order.

JOHN F. RUPP, Shiremanstown, Pe.



# H. Wrede. PANSY SEED, 144 First Prizes, the highest awards World's Fair, and Hamburg, 1897. 1000 See dis, lioest mixed, 25e. 1 02.

Price List on application. Cash with order.

#### FAXON'S "WHITE .. PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture. In Trade Packets at \$1.00 each.

M. B. FAXON,

528. BOSTON, MASS. Correspondence solicited. Lock Box 1528,

#### PANSY SEED

Large Flowering.

Do you want to grow the finest Pansles, if so, buy the JENNINCS STRAIN.
Always reliable. None better. Very finest mixed, \$1.00 per pkt of 250 seeds; \$6.00 per onnee. White, yellow, black, blue, red. plnk and lavender in separate colors, \$1.00 per pkt. The above all grown from very linest stock. Cash with order.

E. B. JENNINGS, L. B. 254, Southport, Conn. Grower of the Pinest Pansies.

#### ZIRNGIEBEL'S DA GIANT

THE MARKET AND FANCY STRAINS are all the dorists as the Standard V

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FRESH SEED NOW READY in trade packages a

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#### **JULY 29**

the Nickel Plate road will run an excursion to Chautauqua Lake, at one fare for the round trip. Write to J. Y. Calahan, 111 round trip. Write to J. Y. Calahan, 12 Adams St., Chicago, for particulars. (42)

#### **EXCURSION TO CHAUTAUQUA LAKE**

over the Nickel Plate road July 29th, at one fare for the round trip. By depositing tickets with Secretary of Chautauqua Assembly, same are available for return passage within thirty days from date of sale. City ticket office, 111 Adams St., Chicago. Van Buren St. Passenger Station, Chicago, on the loop. Telephone Main 3389. (43)

#### THE NICKEL PLATE ROAD

will sell excursion tickets to Chautauqua Lake and return on July 29th, at one lare for the round trip, with return lim t of thirty days from date of sale by depositing tickets with Secretary of Chautauqua Assembly. Tickets good on any ot our through express trains. Cheap rates to many other points East. Communicate with this office, 111 Adams St., Chicago, for any further information desired. Van Buren Street Passenger Station, Chicago, on the loop. Telephone Main 3389. (44)

An advertiser feels better when he knows he is getting direct returns for his money. Mention the American Florist.



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Now Ready! The American Florist Company's Directory of Florists, Nursery-men and Seedsmen of the United States and Canada arranged both by States and Post Offi es and all names Alphebetically, Price \$2.00. In Flexible Leather Binding, \$3.00. Fully

revised to date with upwards of 3,000 New Names

American Florist Company, 324 Dearborn St., CHICAGO, ILL.

THE HARRISII DISEASE can be prevented by immersing the bulbs for

#### **KRAFT'S PLANT TONIC**

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale. Mealy Bug, and other insect pests without injury to the plant. A trial of a 25 cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

KRAFT PLANT TONIC CO., Rocktord, III.



#### Universal Insecticide For Flowers, Trees and Anlmals.

Recommended and ia use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores. ROSE MFG. GO.

NIAGARA FALLS, N. Y.

STEMS DUST **EXTRAGT** 

VAUGHAN'S SEED STORE.

Chicago New York.



FOR SALE BY SEED STORES FOR FREE PRIMARILES LOUISVILLE SPIRIT CURED TOBACCO CO

## Black Ants...

Easily and thoroughly exterminated by my non-poisonous and olderless powder. Results guaranteed,  $\beta_2$  & 1-1b, pkgs., §6 and §9 per doz., 40 per cent disc. F. O. B. Boston.

GEO. H. RANDALL American Florist. WELLINGTON, MASS.

THE Regan Printing House NURSERY SEED **FLORISTS** 

> 87-91 Plymouth Place. \*\*\* CHICAGO

#### The MODEL Extension Carnation Support Support



QUEENS. N. Y., Feb. 16, 37.

MR. THERON PARKER,
Brooklyn, N. Y., Dear Sir:—
I have tested your latest
model Carnation Support and
am free to say that I consider
it the best wire carnation
support that I have ever seen.
It is quickly and easily appiled, and I think will prove
very durable, and you certainly deserve great credit
for the invention.

Very truly yours.

C. W. WARD.

FLATBUSH. BROOKLYN,
N. Y., Feb. 18, 37
MR THERON PARKER,
Dear SIT:—Your wire stake
is certainly a gem. Without hesitating we indorse it
as an up to-date carnation
support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Keb. 18, 37.
MR. THERON PARKER,
Brooklyn, N. Y., Dear ShraIt gives me much pleasure to
congratulate you upon your
success in getting up carnation supports. I think that
those I have had from you
are about as perfect as anybody will be able to make
them They certainly fill my
bill for an ideal carnation
support, a thing I have been
looking for for a long time.
Wishing yon every success
in the sale of them, I am
Yours truly, E. Assurs.

#### Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

#### The Model Plant Stake Co., THERON PARKER, Mgr., Inventor and Patentee

22 MORTON STREET, BROOKLYN, N. Y.

Please Meotion The American Florist.

A material has been discovered for glazing which after thorough tests has been proven far apperior to putty; it is called

#### MASTICA.

It is not affected by extremes of weather, and is thus especially adapted for greenhouses, etc. Send for descriptive circular of Mastica and Mastica Glazing Machines.

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Sole Manufacturers

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"We Kill Weeds Scientifically"

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Sprinkler.... INDISPENSABLE

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#### THE AMERICAN FLORIST'S COLOR CHART

accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE IS CENTS POSTPAID. AMERICAN FLORIST CO., 322 Dearborn St. Chicago

#### Cincinnati.

BUSINESS IS QUITE DULL .- REBUILDING BY SUNDERBRUCH'S SONS. - THEO, BOCK'S NEW HOUSES. -GREENHOUSES FOR SALE.

Business continues very quiet, and our wholesale houses have but very little to do, as with the retailers funeral work constitutes about the only trade.

Nearly all of our growers are now busy repairing and painting. Messrs. A. Sunderbruch's Sons are remodeling six or eight houses and giving their entire plant a general overhauling. Theo, Bock, of general overhauling. Theo, Bock, of Hamilton, O., is erecting two model houses, each 16x100, one for carnations and the other for roses. The glass is 16x24, and the Challenge ventilating machine will take the place of the old-fashioned sash lifter. The posts are red cedar and the balance is cypress. The Lockland Lumber Company furnished the woodwork. Mr. Bock believes in using good material, and finds it cheapest in the long run.

Owing to the death of Anthony Fisher, Mrs. Fisher wishes to retire from business, and the stock is now for sale. It is said to be in good condition and offers a rare chance for a live man. H. Schwarz.

#### Terre Haute, Ind.

A sight leaving a lasting impression upon the the mind was the funeral of a volunteer who died in eamp and was brought home for burial. The obsequies were inspiring. The entire city united in paying the last tribute of respect to a townsman, to a patriot, to an American eitizen. The floral designs were numerous and very elaborate and were furnished by John G. Heinl and Lawrence Heinl.

This is the time of the year when florists, in spite of the dull season, seem the busiest. Between replanting and putting the houses in good condition there is little time to waste. Lawrence Heinl will soon commence rebuilding four of his houses, making each 10x85 and thoroughly modern in every particular. Mr. Heinl has, among other things, a fine stock of Bostoniensis and cordata compacta.

John G. Heinl contemplates making some extensive improvements and additions. His stock of Nephrolepis cordata compacta, of which he grows a large quantity, will surpass even that of last season. Mr. Heinl reports an increased demand for this tern, both for his wholesale and retail trade.

ale and retail trade.

Henry S. Graham made a flying trip to Indianapolis one day recently. His houses are in the best of condition, having been equipped with all the modern improvements, while the grounds surrounding them prove conclusively that Mr Graham is a landscape gardener of full thirteen-inch calibre.

Cowan Bros., the Spruce street florists, have met with success during the comparatively short time they have been in business. They do a general trade, making decorative work one of their specialties. Fred, Wunker & Sons are also well

pleased with the results of this season's work. Mr Wunker, who has been on the Помо, sick list, is improving.

#### Standard \* \* FLOWER

W. H. ERNEST, WASHINGTON, D. C. Station M. N. E.

# 13,500

ID you know that there were so many Florists, Nurserymen and Seedsmen in North America? Would your business profit were you to know them? The American Florist Company's Directory for 1898 will tell you each one's name, his address, his particular branch of the trade and the extent of his business. Price, postpaid, \$2.00. flexible leather binding, \$3.00.

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# GALVANIZED STEEL WIRE PLANT STAKES 52 PER 1908

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Send for price list of Standard Flower Pots, Hanging Vases, Seed Pans and Cylinders for Cut Flowers Lawn Vases, 17x17-in., \$1 00; 19x20-in., \$1.50; Bases 12-in, high 50c. Address

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Orders, and Special Made to Order.

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PIANDARD

ALL KINDS.

# A SPECIALTY

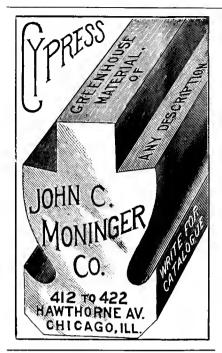
List and SAMPLES PREE.

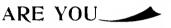
J. G. SWAHN'S SONS, MINNEAPOLIS, MINN.

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For all kinds of good stock advertised in

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Mastica, \$1.00 per gallon.

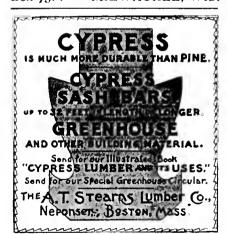
Liquid Putty, 25-1b. can \$1.50, ready to use. Scollay Putty Bulb for applying Mastica or Liquid Putty, 85c.

Van Ryper's Glazing Points, per 1000 60c, by mail 75c.

Glass Cutters, steel roller, t5c each. Mastica Glazing Machine, \$1.00 each.

# Ellis & Pollworth,

MILWAUKEE, WIS. Box 75. .



FOR SALE CHEAP. GLASS for Greenbouses, Conservatories, Hot-beds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

Everybody is more pleased if you say "saw your ad in the American Florist" when writing.



# Wheeler-Stenzel Co.

Make your contracts for next season now. We can deliver to any part of the country and Save You Money......

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# Greenhouse Glass

72 Sudbury St., BOSTON, MASS.



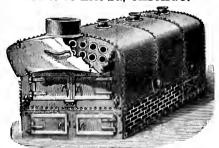
It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of it's ex-treme simplicity. It's easy to huy because the price is reasonable.....

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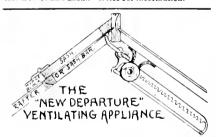
Catalogue is free. A postal with your name and address secures it. Address

AMERICAN ROAD MACHINE CO.

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Bollers made of the best of material shell, firebox sheets and heads of steel, water space all around front sides and hack). Write for information.



You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to

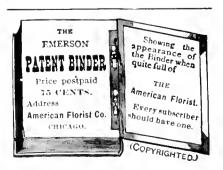
J. D. CARMODY, Evansville, Ind.



GORTON & LIDGERWOOD CO. 96 Liberty Street, NEW YORK.

Further

information on application.



#### Indianapolis.

TEN DOLLAR REWARDS FOR THE DETEC-TION OF FLOWER THIEVES .- CITY PARKS ARE VERY BEAUTIFUL. - THE CLUB'S ANNUAL OUTING .- BOWLING WAS THE FEATURE.

At the July meeting of the Florists' Club another flower thief was reported brought to justice, much to the satisfaction of everybody excepting the club's treasurer, who thinks it rather hard on his funds to pay out so many ten dollar rewards. In this case, however, he was consoled by the generous offer of Messrs. Huntington & Page, our seedsmen, to pay the reward, which was thankfully accepted by the club. Huntington & Page say the numerous thefts committed considerably affected their bulb trade.

The flower displays at our city parks, now at their best, are much admired. Garfield park especially presents a most beautiful appearance this season. This park but a few years ago almost unknown to the general public is now the most beautiful as well as popular of all the

recreation grounds. The annual picnic of the Florists' Club was held at White River Park, July 6. As usual bowling was the main source of amusement. The alleys of the park are considered very fine, and prizes were won by John Hartje, Jas. Hanson, Frank Saak, Wm. Hartje, Henry Rothennal and A. Pahud, in the order named. Although the majority had a pleasant time at the picnic, it was the prevailing opinion that for a family outing a more suitable place might have been selected. The ladies and those gentlemen who do not bowl felt the scarcity of other amusements, and also of shade.

#### TWEMLOW'S Old English Glazing Putty



Semi-Liquid. Used in Bulb or Machine.

IN GALLON CANS AND LARGER PACKAGES. It has no equal probably for Greenhouse work . . . .

# Hammond's Paint.

GREENHOUSE WHITE.

Lor 20 years many Florists throughout the I mited States have used this paint. The purest and most durable that can be made.

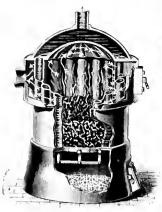
At prices to the craft, that will pay to use it.

> EVERY GREENHOUSE MAN SHOULD TRY THIS PAINT.

BENJAMIN HAMMOND.

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"DORIC" HOT WATER HEATER. SECTIONAL VIEW.



CAPACITIES FROM 400 to 2600 FT 2-IN. PIPE.

The Best Boiler on Earth for Greenhouse Heating. ALSO MADE FOR STEAM.

Water Section Made in One Casting. No Leaky Joints to Worry Over. Deep Fire Pot. No Need to Sit Up All Night to Keep Your Fire Going.

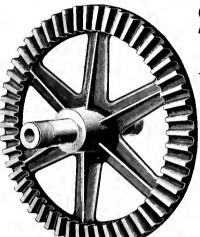
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SEND FOR FLORISTS' CATALOGUE AND PRICE LIST FREE UPON APPLICATION.

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NEW YORK CITY BRANCH : 48 Centre SI.

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Standard Ventilating

Machine....

STRENGTH. **DURABILITY** 

···AND NEATNESS.≯

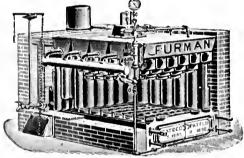
Guaranteed for 10 years. Has a solid wheel and shaft cast in one (mallcable iron). No slipping on Line Shaft as the case with all others. Catalogne

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YOUNGSTOWN, OHIO.

When writing mention American Florist.



On Your Coal Bills

If your Houses are Heated by a Furman Boiler.

Send for large Illustrated Catalogue, Florists' Edition. Let us make you an estimate FREE.

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# GREENHOUSE MATERI

Cal. Red Cedar and Louisiana Cypress. BEST GRADES. PERFECT WORKMANSHIP.

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QUAKER CITY MACHINE WORKS

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CHICAGO HOUSE WRECKING CO. Largest Mail Order Depot for New and Second-Hand Material in the World.

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You can do more than Pay Your Rent by Advertising your Surplus Stock in The American Florist.

Madison, N. J.

The Morris County Gardeners' and Florists' Society held its regular monthly meeting in Masonie Hall on Wednesday evening, July 13, thirty-one members being present. Pres. Wm. Duckham, in opening the session, said that owing to family sickness he would have to leave and request Vice-Pres. J. Jones to take the chair. Before vacating, however, he desired to express Mr. D. Willis James' appreciation and thanks to the society for the arch they had erected and for the part they had taken generally in the parade and celebration in his honor on July Fourth. The reason for this was that Mr. James bought several acres of land in the lest part of the town, pulled down the old structures, and has created a most beautiful park. To show their appreciation of this gift the townspeople decided to have a parade in honor of this benevolent citizen. Fully 25,000 people were on hand, the gardeners and florists turning out to a man, with a splendid banner.

The monthly exhibition was as good as usual. In the vegetable class J. Robertson swept the decks, P. Cox came in with a creditable display of perennials and annuals. E. Reagan had seventy-four and A. Herrington forty-five named varieties of wild flowers, and Wm. Duckham staged a superb collection of sweet peas. There were many other miscellaneous exhibits not in competition. It had been arranged to have a "Rose night," but the lecturer failed to appear. Mr. Herrington filled the gap with an impromptu discourse on the habitation and requirements of wild flowers. He compared the wild flora of the United States with that of Europe, and, taking specimens, he spoke of the failures and successes he had met with in endeavoring to establish them in England.

Under the head of new business J. Jones proposed that the society take an excursion to Glen Island in September. This was put to a rising vote and met with a unanimous response. Six applicants were proposed for membership.

C. 11. A.

# LOUISIANA Cypress Green House Material. RED CEDAR

WRITE FOR ESTIMATES.

Plans and estimates furnished

Fana and established for all kinds of Houses.
"N. B." Will accept in payment—Part Cash, Balance on Mortgage. A large stock of Greenhouse Equipment constantly on hand.....

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not tollow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that

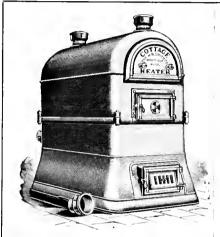
grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy trom those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars or Estimates,

Lockland Lumber Co.

LOCKLAND, OHIO.



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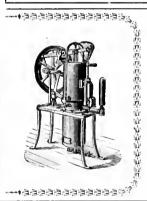
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Water

For Greenhouses, Gardens and Lawns in liberal quantities, every hour of the server, whether the wind server, whether the wind server, whether the wind server.

#### Improved Rider Hot Air Pump Improved Ericsson Hot Air Pump

Can be run by any ignorant boy without danger — Explosion impossible. Prices greatly reduced.—In use in every part of the world. Send for Catalogue A 3.

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| Bayersdorfer H & Co. 1513                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | May L L & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| Bootner Fred 151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | McCullough J Chas 1518<br>McDonalus McManus 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |
| Boaton Letter Co151a<br>Bracke Jean1520                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | McDowell J A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| Brant A Noe 1524<br>Brown P 1524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Moninger J C Co 1515<br>Moninger J C Co 1527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| Budlong J.A. 1.14 1522<br>Burnee W. Atlee & cu lbls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Morria Floral Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |
| Carmody J. D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Nagel E & Co 1522<br>National Piage Co1522                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| Cincinnati Cut Flower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N Y Cut Flower Ex. 1515<br>N Y Cut Flower Co1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |
| Conard & Jones Co., 1524<br>Conley John & Son., 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pampas Grove Nur 1517<br>Parker Theron 1525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |
| Cottage Gardens 1520<br>Crabb & Hunter 1525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Parker Geo L 1523<br>Pennock Sam 1 S 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |
| Craig Robt & Son 1522<br>Cunningham J H 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pierce F O Co1525<br>Poehiman Bros1523                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |
| Dietsch A & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quaker City Mch Wks1528                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |
| Dorner Fred A Sons Colega<br>Dreer H.A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Randall Geo H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |
| Elliott W H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Reed Glass & Paint Co1527<br>Regan Printing House1525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
| Fairmount Chemical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Reuter S. J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |
| Faxon M B1524<br>Flo Mut Fire Ins Co., 1514                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Ricksecker C to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |
| Ford Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Roemer Fred 1524<br>Rolker A & Sons 1518                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |
| Gardeners' Chronicle 1525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Royal Tottenham Nurl5bi<br>Royal Tottenham Nurl5bi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |
| Giblin & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sander & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |
| Grossman I M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Scollay Jno A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |
| Hagenburger Carl., 1524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sinations & Wants 1512<br>Skabeura Dip Co 1525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |
| Hammond Benj1528<br>Hancock Geo & Sons., 1524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Smely J M 1523<br>Smith The H B Co1529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |
| Hart M A Hartford H E 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Smith W C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |
| Heinl Jos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | South Side Floral Co.1517<br>Stearns Lumber Co1527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |
| Hillinger Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Steffens Endl 1513<br>St Louis Cut FlowerCol514                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |
| Hippard E1517 1528                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Struck J N & Bro1525<br>Sutherland Geo A1515<br>Swappa Sons J Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |
| Holton & Hunkel Co. 1514<br>Hooker H M Co 1527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Teason Robt F 1522<br>Traendly & Schenck, 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |
| Hort Adv                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Van Zanten Brus1521                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |
| Illinois Cut Flower Colols Jackson & Perkins Colols                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Vaugnan, McKellur &                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |
| Jennings E B 1524<br>Kasting W F151. 1525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Winterson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |
| Keller Geo & Sons1526<br>Keller Geo & Sons1526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Watson G C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| Kendall Geo M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Weeber & Don                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| Kiltbourne R1524<br>King J M 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Wheeler-Stenzel Co., 1527<br>Whilldin Por Co, 1526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |
| Kroeschell Broz Co., 1527<br>Knehn C A., 1511                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wilson H E 1523<br>Winter S B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |
| Kuhi Geo A 152-<br>Lager A Hurrell 1515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Witthold Gen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| Littlefield H F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Worm C W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |
| Bassett & Washburn  Bassett & Washburn  Bayersdorfer H & Co. 154  Bayersdorfer H & Co. 154  Blanc & X Co. 1520  Booblink L C. 1520  Booblink L C. 1521  Boston Letter Co. 1545  Boerner Fred 1511  Boston Letter Co. 1545  Boerner Fred 1512  Borner L State L | Rangall Geo H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |
| Lore & Burnnam Co 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Zirnglebel Denva 1524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |

Miliotatae, Mass.—Oscar L. Noyes, has given up the building recently occupied by him, and removed all his stock, etc., to Georgetown, Mass., where he intends erecting a greenhouse this fall. He intends to do mostly a shipping business.

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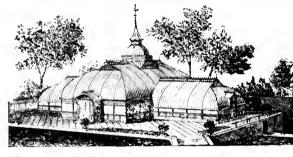
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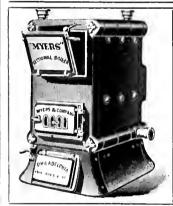
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#### CHICAGO AND NEW YORK, JULY 30, 1898.

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#### CIETY OF AMERICAN FLORISTS A ORNAMENTAL HORTICULTURISTS.

OFFICERS-WM. F. OUDE, Washington, D. C., president; A. DONAGHUE, Omaba, Neb., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oll City, Pa., treasurer. The fourteenth annual meeting will be held at Omaha, Nab., August 16-19, 1888.

THE AMERICAN CARNATION SOCIETY. Annual Convention at Philadelphia, February, 1889. ALBERT M. HERR, Lancaster Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA. Annual meeting at Omaha, Neb., August, 1888.

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#### Illinois to Omaha.

In view of the excellent rate of farenow granted by the railroads, it is both hoped and anticipated that there will be a large attendance at the S. A. F. convention. The Chicago, Milwankee and St. Paul railroad has been selected as the route from Chicago to the convention city. The fare will be \$14.75 for the round trip, and many of the eastern delegations will consolidate at Chicago for the trip west, leaving over this line August 15 at 6:15 Special cars have been secured, and berths will be reserved upon request, addressed to the undersigned, care of the AMERICAN FLORIST.

J. V. MERRION, Vice Pres. for Illinois.

#### Hardy Herbaceous Plants.

Looking over our herbaceous border we notice the following plants in flower during the week ending July 23. Achillea The Pearl which we have been cutting for the past three weeks. All florists should have a good patch of this most useful plant. It is entirely hardy, exceptionally free flowering, and the flat open heads of pure white double flowers last a long time when cut, and associate well with other flowers. Although a free spreader it can be kept in bounds by running a spade around the clumps, or space allotted to it. Anthemis tinctoria is a little gone by but is still making a good show. should be cut back as soon as the flowers are over; another crop of flowers in September will be the result. If allowed to seed it will soon become a bad weed. Aster acris, a native of Southern Europe is just commencing to bloom; the individual flower heads are rather ragged looking; white suffused with lilac. Astilbe Chinensis is past its best, but the foliage will be handsome till frost. For a damp place this is very fine, and although the flowers are not very bright (pale pink), the long graceful spikes are distinctive and attractive, especially on large, established plants. Campanula Carpathica, blue and white, are very pretty now, and the large blue and white bells of Campanula (Platycodon) grandiflora varieties are showing up finely.

Cephalaria alpina, sometimes catalogued as Scabiosa alata, has been very beautiful for the last three weeks, and seems likely to last in beauty for some time. The clear sulphur flowers are very distinct. C. Tartarica seems to be identical with C. alpina. Cimicituga racemosa, closely allied to the activas has very handsome foliage and racemes of feathery white flowers. When well estab-lished, the plant when in flower is three to four feet high and the foliage spreads to about the same width. Like the astilbes this requires a moist place. Coreopsis grandiflora is another plant that should be cut back before seeding, so as to seeme another crop of flowers later in the season. We consider this the best of the family for cutting.

Delphinium Chinensis varieties have been flowering for the last three weeks, and will continue to do so till frost, if not allowed to seed. There are white, light blue, dark blue and some intermediate shades. Ervugium amethystinum is still very fine, and with several plants there is generally a succession of flower spikes from July 1 till frost. The stems as well as the flower heads are of a beautiful metallic

blue. Euphorbia corrollata is a very distinct looking plant; it will continue to flower until frost. The white flowers are arranged in whorls and work in well with others. Echinops ruthenica Ritro. the globe thistle, has very distinctive round heads of metallic blue flowers, which last a long time when cut if kept dry. Gypsophila paniculata is very fine now; a large plant several feet in diame ter makes a pretty background for some of the dwarfer plants. G. acutifolia, just commencing to flower, is good for eutting, but hardly showy enough for the border. The flowers are larger than those of G. paniculata but more scattered.

Helenium Boulanderii is beginning to make a good show; it is not so stiff in habit as H. autumnale, and the flower heads have very distinct dark brown discs. Heliopsis kevis is in flower and will continue to make a good show for several weeks with its golden yellow flower heads; it should not be allowed to seed, or it will become a bad weed. 11. Pitcherii with us is not distinct enough to make it worth while to have both on the border. Hemerocallis disticha fl. pl. we consider the best of the double hemerocallis; the flowers are terra cotta, shading to fawn, and are several shades brighter than the other double varieties. Thunbergii is very fine: its pale lemon vellow, sweet scented flowers make a distinet feature in the border. Lychnis vespertina fl. pl. is still making a good showing with its pure white night-scented If cut back soon now, there will flowers. be another crop of flowers when cool weather sets in again. Lythrum roscum superbum has been in flower for some weeks; its long spikes of bright rosy red flowers are distinct and produced continuously during the summer and fall. Monarda didyma, the best of its family, is at its best now, and will continue to brighten up the border with its deep red flowers for several weeks. It is good for cutting. (Enothera Youngii the best of the taller onotheras, will continue to open its bright yellow flowers for some weeks yet unless the soil becomes too dry. Œ, riparia is quite as continuous, and is fine for the front row of the border. Pentstemon barbatus Torreyii keeps in flower longer than most of the pentstemons, and its long spikes of searlet, tubular flowers are unique.

Phlox suffrutieosa varieties are still very beautiful; they are not so set look ing as the P. decussata sorts, start flowering two or three weeks carlier, and if the flower spikes are cut oft will bloom again later in the season. The range of color is from almost pure white to dark pink. 1', decussata has started to flower and will continue to make the border look bright till fall. We have over 150 varieties on trial this season, including some of Lemoine's latest novelties, and

will describe the newest and most distinct as they come into flower. Sedum spectaas they come into nower. Senim spectabilis fol, var. has very handsome golden variegated foliage, which keeps its color well from spring to hard frost. Thy mus montanus albus and T. montanus coccincus should be more generally grown; they make a very dense carpet of green, and for several weeks are covered with their small flowers. T. languinosus forms carpets of heary foliage, and is worth growing on that account; the flowers are not so showy as those of the two just mentioned. being of a dull lilae color. T. vulgaris argenteus and T vulgaris aureus have very pretty variegated foliage, and are good for sunny, dry situations. We find T. vulgaris argenteus the hardiest and the variegation is well fixed. T. vulgaris aureus is liable to go back to the green form it in a shady position or rich soil.

Viola cornuta and its white variety

have a second crop of flowers, and are helping to make the border bright. Verbaseum nigrum we find the most satisfactory of its family; it started to flower two weeks ago, and by cutting off the flower spikes when over, a succession will be obtained for the rest of the season. It is a true percunial, which is more than we can say for the rest of the verbaseums.

Massachusetts.

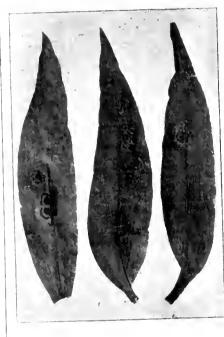
#### Roses at the Arnold Arboretum.

Hybrid roses are not reliably hardy in the United States. True, there are some localities where they succeed tolerably well, but in most places their culture is continued under discouraging conditions. A large number of plants never get strong a large number of plants never get strong enough to bloom well and those that do are short lived. The question of estab-lishing or creating a new breed better suited to our climate has engaged the attention of specialists for a long time. Among others Mr Jackson Dawson, of the Arnold Arboretum, Boston, has given much time and thought to the subject. At first he believed it was a question of stock for grafting, and he has experimented largely with native and other reliably hardy species. R. multiflora has reliably hardy species. been tried with most satisfactory results, s) far as concerns vigor. At first stem grafting was practiced, but this has proved unsatisfactory on account of suckers; roots alone are now used. Some eyes of Paul's Carmine Pillar on roots have grown four feet this season. Florists complain that tea roses are too rank on the multiflora stock and that the flowers are soft. So much for stocks.

The idea that hybrid roses could be made hardy by grafting on a hardy stock has been abandoned. Mr. Dawson now considers a new type necessary. This he is working for, and showing what cross broeding and selection will do, we need only look at Mr. Manda's hybrids and Mr. Dawsou's with R. Wichuraiana. In choosing R. Wichuraiana and General Lacqueminot, two very distinct roses are brought together. Only an innate love for experiment could suggest such a proceeding some curious breaks, and some valuable ones, havecome from these crosses. The indications are plain that by following them up, infusing hybrid blood, and reverting occasionally for vigor we shall be we hybrids hardy enough to remain unincired by any ordinary trost. There is a host to work with Probably Crimson Fambler, in which we have remarkable color, and constitution, will help us to a new type of trellis rose

Some of Mr. Danson's hybrids are already well known, and a few sent to Rugland have been cuthusasurally com-

mented upon. The Dawson Wichuraiana and Jacqueminot, a climbing cluster rose with semi-double pink flowers, is a better trellis rose than the Crimson Rambler, though not equal to it in color. Wichuraiana and rugosa is a delicate single rose with trailing habit—a splendid cover plant. Rugosa and Jacqueminot makes a fine bush with deep crimson flowers. Wichuraiana and Jacqueminot has produced two good double varieties almost equal to a hybrid in build of flower; one is a delicate peach, the other deep pink; both are of vigorous constitution. Numerous crosses were made this season, and some interesting information was gathered as to the manner of making them. If the flowers were left on the plants, the bees would get all the pollen before the operator, so they were brought under glass and ripened. A brush is considered wasteful, so the point of a knife is employed in collecting and applying the pollen. Boston Belle, an old rose of good



RUST OF GARDEN PINKS

constitution, was extensively used this season among these hybrids. Seedlings of Wichuraiana crossed by China roses will be watched with interest; they are making pretty plants, all more or less creeping after the habit of the seed parent, but showing much variety in foliage, some being dark like the pollen parent.

Beantiful landscape effects can be made with the species of roses. From R. cinnamomea, R. spinosissima, and R. blanda, to R. hucida and R. setigera, the prairie rose, gives us a long season of bloom. A month ago R spinosissima was superb. To-day R. setigera is at its best, the flowers changing from deep rose to white as they mature, make a splendid effect. The rare R. lucida alba is being propagated by thousands; it is a most deserving acquisition. I should not forget to mention some hybrids with R. multiflora and the Dawson. Some large bushes of these have been blooming in the nursery for a month past. From a decorative point of view they are far superior to the common R. multiflora. Immense trusses of semi-double white flowers, occasionally tinted, terminate the stems, forming bouquets in themselves. T.D.H.

#### Rust of Garden Pinks.

The garden pinks (Dianthus species) are sometimes badly rusted. Not long ago while in a commercial garden the ago with the acondition of the various sorts of pinks. The engraving shows, nearly natural size, three leaves that were then gathered. This rust while affecting the whole leaf and causing it to lose its green color, develops conspicuous circular patches of pimples. There are two of these patches upon the under surface of the leaf to the left hand, three in the middle and one upon the right hand leaf. A careful inspection of the clusters will show that the pimples are more or less in concentric circles, giving a peculiar appearance and one that does not admit of an easy explanation.

In connection with this rust there frequently arises the question of its identity with that upon the carnation. The pinks and carnations are very closely related, but here is a case where the fungi attacking hosts of the same genus are widely separated. To the naked eye the rust of the pinks and carnations resemble each other even to the circular arrangement of the pimples above noted, but here the likeness ends for with the compound microscope the fungi are seen to be so unlike as to belong to different genera. That of the carnations is Uromyces caryophyllinus Schr., while the pink rust is Puccinia arenariæ Schm.

It is therefore a pleasure to assure all interested in the question that while both are genuine rusts and flourish upon hosts that are as closely related as cousins, so to speak, yet they are not propagated the one from the other. The rust of the pinks is an old enemy in this country and has a wide range of plants upon which it grows, both cultivated and wild, as the sandworts, chickweeds, corn cockle and sometimes the bouncing Bet.

Because of its wide range of hosts, some of them being common weeds, there is but little hope of extermination. two points here being to give information upon a pest of the ornamental grounds and secondly to assure those who may have it that their carnations need not be expected to contract rust from other plants of the pink or any other family.

Byron D. Halsted. other family.

#### Carnations.

Another place in Lancaster that is devoted almost exclusively to carnations is that of Henry Rohrer, an establishment that is too large to describe in one paper, so we will divide it into two sections.

One range of his place is built with the houses separate, with a working space of three feet between them. The roofs are made of sash of regulation size, one of which is stationary and the next one movable and so on over all the houses. In the winter these movable sash are used as ventilators and in the summer

they are taken off entirely.

His object in building his houses in this way was to have enough ventilation to grow the plants in them all summer and thus avoid the time and expense of transplanting them in the fall. The sides of the houses, although they are not over three leet high, interfere greatly with the free circulation of air, even with one half the roof taken off, and this lack of eirculation is plainly noticeable in the plants, for while they are of good size and growing mody they lack a certain character in strength and vigor compared with those grown outdoors. This lack of vigor will be made up for to a great extent later in the season when they get the cool weather to grow in and do not

have to be replanted.

There is no question but that this set of houses is going to be a decided success the coming winter unless something unforescen turns up. It will be the first winter since they have been built that they will be a success financially as other seasons they have been too late in coming into full crop, the bulk of the blooms coming after the holidays. Some exceptionally fine flowers have been cut in these houses, but on account of the plants being small and rather weak until they had been brought along by regular greenhouse treatment they came entirely too late.

Profiting by past experience, Mr. Rohrer had early struck cuttings for this season's planting that were in due time potted up and grown into fair sized plants, better ones than many growers I know of have when they plant their houses in the fall. These were planted in the houses as soon as they could be emptied this spring, with the result that they can be brought into bloom whenever they are wanted this fall.

One reason why these plants are in as good condition as they are to-day is because Mr. Rohrer has had several years' experience, of which he made good use, and gives his plants careful attention and the best of culture, such attention and culture as can only be given by one who has had experience and keeps his eyes open all the time.

With a drought extending over ten weeks this summer, these plants had the advantage of water when they needed it and this makes the contrast between them and outdoor plants all the more striking. Yet, with all this in their favor and the condition they are in, for myself I would prefer good outdoor stock for my next winter's cut of flowers.

These are not model houses for the summer growing of earnations, but they show what can de done, in that they are going to be better than the average set of carnations this winter.

ALBERT M. HERR.



BEST OF ALL TOMATO.

#### Best of All Tomato.

The specimens from which the accompanying illustration was taken were grown by Edwin Lonsdale, of Chestnut Hill, Philadelphia. Best of All is an exceedingly prolific variety and a capital sort for forcing under glass. Here are the weights of the fruits in one cluster:  $10^{1}$ ,  $10^{1}$ ,  $6^{3}$ ,  $9^{1}$ ,  $8^{1}$ ,  $7^{3}$ ,  $8^{1}$ ,  $7^{1}$ ,  $4^{3}$ , total,  $72^{3}$ , ounces. From all appearances Sutton's claims for this tomato are well founded. They are as follows: "When first offering this fine tomato in

"When first offering this fine tomato in 1895 we especially recommended it as the most profitable variety that could be grown for market purposes, and increased experience has confirmed our opinion. It sets very freely and is an immense cropper, producing heavy bunches of fruit at short intervals all over the plant. In a

given space we question whether any other variety would produce so great a weight of fruit. A peculiarity of this tomato which has attracted the attention of experts is that the first cluster is borne very low on the stem. The color is a deep scarlet; form admirable; good size, and the fruit is so solid that very little seed is produced."

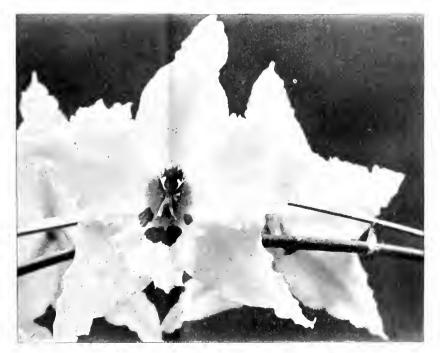
I do not know whether any one has tested Best of All in comparison with the Lorillard which is at present considered our best forcing variety. When selected stock of the Lorillard is available it is hard to beat, but in Best of All there are evidently some additional points of excellence that make it a welcome addition to our list of forcing tomatoes for market purposes.

G. C. Watsox.

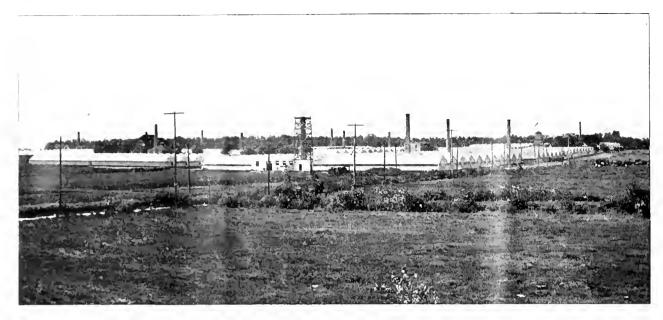
#### Odontoglossum Prince of Wales.

This superb variety of Odontoglossum crispum, exhibited at the Royal Horticultural Society's meeting of June 14, by Hugh Low & Co., of London, was awarded a silver medal and the coveted first-class certificate. This species of odontoglossum, in its numberless exquisite forms, has given us many pleasant surprises, but certainly none more wonderful than the present variety. The individual flower measures nearly five inches across, and the labellum is totally abnormal in its size of  $1^31\times1^11$  inches. The mai in its size of 194x114 inches. The substance of the blooms, like their size, is quite exceptional. The specimen exhibited had twelve pseudo bulbs and four leads. It was imported from Colombia by the Messrs. Low about four years ago, but while thriving satisfactorily at all times, it had never bloomed until this occasion, when it produced one spike with twelve flowers. The plant has passed into the orchid collection of Baron Schroeder, at Egham, Surrey, which is world-renowned, especially for its representatives of the genus odontoglossum.

Utica, N. V.—William Wagner, the florist of Milford, formerly of this city, has been called here by the serious illness of his father, Henry Wagner. Stephen Whitton, of Whitton & Sons, was kicked by a horse July 20. His left arm was broke and his head was badly ent.



ODONTOGLOSSUM PRINCE OF WALES.



THE REINBERG ESTABLISHMENT, SUMMERDALE, CHICAGO.

Chicago Florists' Outing.

Reinberg's judy feast will be er be forgot. By those who were there or those who were not." \*\*Dean Saitt.\*\*

The excursion of the Chicago florists to Reinberg's has passed into history as the most successful of all the expeditions of the Florists' Club and its friends. The guests began to arrive at the great greenhouses at Summerdale early in the afternoon of the appointed day, Sunday, July 24, and a constant stream of visitors flowed up the incline to jovial Peter Reinberg's broad lawn until the dusk of evening fell. It was a good-natured, interested, perspiring crowd, and outnumbered any similar pleasure party of florists. It is estimated that fully 250 were present, and a pleasing feature was the participation of an unusual number of ladies.

A considerable number of the guests reached Summerdale by the Northwestern road, leaving Chicago at 1 o'clock. but a party of more than half a hundred arrived at the scene upon two great tally-hos, each drawn by six prancing horses. As one of those who availed himself of the former conveyance remarked, the dead ones went by rail, while the "warm members" went as live men should, a jocularity particularly pointed, as the Reinberg brothers proyided free for those coming by rail a specal car attached to the daily train to Fost Hill Cemetery, which chanced to be the only train available at the desired hour E. I. Winterson conceived the tally housen and took it to its finish Those who availed themselves of his invitation to be of the party assembled at Vaughan, McLellar & Winterson's at noon and despate the heat of the day Winterson's at ar joyed themselves during the two hours drive as do boys at a circus. The turn were decorated, and their gaidwas heightered by the bright dresses of

Peter Fernberg, bit, forty and friendly, we' omed the arrivals and bade them as an them serves of whatever Reinberg peter ion they saw that pleased them ever if it bere the brand of his brother therage. But there was there to speak for his self-and it is shis busy day, as he left be there are done which would add to the pleasures of their guests.

There were refreshments for all and at all times. Tables were set upon the broad verandas and a tempting collation was spread, a choice assortment of eatables all the way from sandwiches to ice cream. There were cigars and other concomitants for an outdoor entertainment for men. The base ball game was a feature of the afternoon. The contest was between the city men and the "farmers," as the former dubbed the players who do not not earn their living by labor in stores. However, three of the city boys were compelled to turn countrymen for the occasion to fill up the opposing team. They found great delight in defeating the "dudes" by a score of 13 to 12 in five innings. Here are the teams:

CITY TEAM. POSITION. COUNTRYMEN. E. Winterson....Pitcher.....Jno. Sahnon Jas. Curran.....Catcher......Matt Smith Jno. Zeck.....Short Stop.....C. Pruner W. F. Kyle....First Base....F. Hansen P. Hauswirth.Second Base....Joe Dunn W. Kreitling. Third Base.....C. Hanner L. Kelley....Left Field.....H. Smyth C. Balluff...Center Field....C. Hughes C. Erne.......Kight Field....J. Beckman

It was Ed. Winterson's busy day, and it is a safe prediction that he worked harder than he ever did before, although he leads an active life. Had Anson found Ed. the "Old man" would have saved his job as head of the Chicago league team by virtue of Ed.'s pitching and base running. His sliding to first base was a feature of the game. But even at that the team did not win. "Jimmy" Curran was the hardest worked man in the eighteen, unless it was Matt Smith. These two gentlemen can sympathize with the Spanlaids, for they found it no fun to stop connon balls. Phil. Hauswirth, who was the moving spirit in arranging the game, played harder than he could be induced to work and received a bump at second base which is far from ac pleasant memory. Walter Kreitling, at third base, was a star, for he never muffed the F. Hansen and John Salmon wore regular base ball suits, the only ones on the field, and were jocularly accused of being professionals. They played as though they had worn their clothes before H. Smyth, for Beckman, C. Pruner, Joe Dunn and all the others did their share of over-exertion for the amusement of the crowd. The grand stands were all "bleachers," but the friends of the players lined the sidewalks, although they made hard, hot seats, and enjoyed the sport to the fullest degree. One of the striking things of the game, aside from the batsmen, was the coaching of the runners, a duty in which the crowd assisted with many a pertinent bit of personal advice.

After the ball game the refreshments sustained an attack which was simply irresistible.

But, after all, the most interesting part of the day of pleasure was the trip through the great greenhouses of the two brothers. Nowhere in America, and probably not in the world, is there such an expanse of glass devoted almost entirely to the growing of roses and carnations for the cut flower market. Here are 600,000 square feet of transparent roofing, and the investment in glass alone is a sum equal to a small fortune. The season is, of course, the wrong one to see the immense establishment at its best, but were the long benches absolutely empty the place would still be well worth a visit.

As it is, the tourists found house after house, so many that the proprietors themselves are not able to tell the exact number, planted to thrifty young roses. The work of housing approximately 175,000 plants has been virtually just completed, although a number of the houses have been occupied for several weeks and some of the plants will soon be sending first-class blooms to market. Several houses are still the homes of roses which have bloomed constantly for many months, and which are still supplying very fair flowers for the wholesale house at 51 Wabash avenue, which Archie Spencer manages for the two big growers.

The Ecinbergs grow more roses than any firm in the west. They make American Beauty their leader and are very successful with them. They have benched over 50,000 Beauties. Bridesmaid is second numerically, as the plantation is about 35,000. Meteor, Bride, Perle and Kaiserin follow in the order named. They have planted a few La

France, but have discarded both Carnot and Testout. They also have small plantations of several of the new roses and the ones less valuable commercially.

An incident may be cited which will in a measure illustrate the extent of this rose growing establishment. It is no small task to provide supports for a large number of plants, and here a force of men is now at work straightening telegraph wire and cutting it into four and one-half and five-foot lengths for this purpose. The wire is what dealers know as No. 8, and usually sells at \$21 a ton, but the Reinbergs recently placed an order for eight tons, are hauling it themselves, and secured the lot for \$1.44.

The fields of carnations were a source of much pleasure to the visitors, most of whom tramped across the six broad acres of plants and admired their healthful condition. In only one spot in the big field is there any trace of rust or any plants which are not in the best of shape for their various purposes. A small part of the land is somewhat lower that the rest, and here the water stood during the June rains and damaged a few hundred plants, but a few hundred is such an inconsiderable portion of the many thousands in the field that they are hardly noticeable.

It is said that nowhere in the middle west is there soil better adapted to the outdoor growing of carnations than is that at Reinberg's. It is sandy, light and porous, and the plants invariably make strong growth in it, but when it comes time to house them it is necessary to prepare a heavier soil. The field blooming carnations are among the most attract-

ive features of the place. The thousands of plants which are now blooming are well developed, despite the fact that permitting them to bloom prevented pinching them back, and in most varieties the blooms are large and of good color.

One of the best of the summer flowers they find to be the Kohinoor, of which they have 18,000 now blooming. This variety gives splendid large pure white flowers when grown in the open air, but under glass it comes variegated and is of little value, consequently only enough are housed to supply cuttings in late November. The cuttings are in pots until late April or May and are planted out as soon as possible. They grow strong stems which need no support. About 10,000 Portia are blooming this season, but the variety will be dropped in the fall.

There are more Scotts in the field than of any other variety, but every standard sort is being grown, and many of the new introductions are being given a trial. While Scott is considered the best commercial varity and nearly 15,000 of them will be benched, Lizzie McGowan, Nancy Hanks, Mayor Pingree, Jubilee and Flora Hill are high in favor and will be planted in extensively. They have virtually discontinued Nivea and Ivory because of their lack of size, but are still growing a few hundred of each variety. Mrs. McBurney, Evanston and the New Triumph are among the new sorts which are being tried, and from which much is expected.

tried, and from which much is expected.

The next excursion will be to Milwaukee via the steamship Virginia, Thursday, August 11. The boat, which is the finest of those running out of Chicago,

will leave at 9:00 a. m., reaching Milwaukee at 2:00 p. m. Returning, the boat will leave at 5:00 p. m., reaching the docks in Chicago at 10 o'clock. This schedule permits of a stay of three hours in the Cream City, and the party will be well entertained by the Milwaukee florists. Tickets are on sale in all the wholesale houses. The fare will be 85 cents for the round trip.

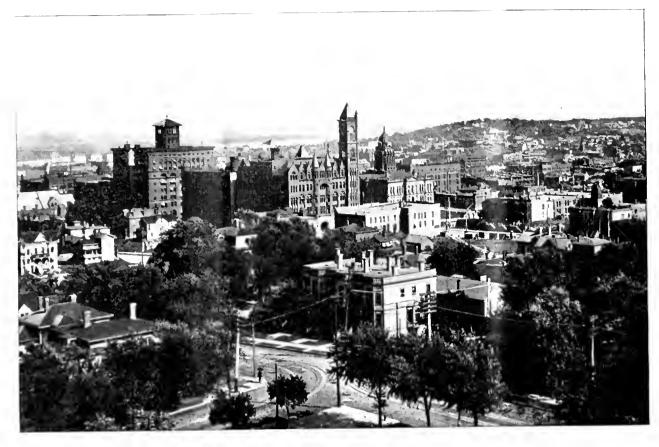
#### Notes of the Omaha Exposition.

The bluff tract on the east side of the exposition grounds is rapidly becoming an attractive resort. The beautiful head-quarters of the different states in imposing buildings are the rendezvous of many a gay convention party and the odor of flowering plants and shrubs is everywhere.

Omaha has a population of 200,000 and offers better hotel facilities and conveniences than any other city of the west. Omaha, in fact, is famed for her hospitality. Every tourist stops there on his journey across the continent; therefore it abounds with hotels ample to accommodate the large delegation the florists' reception committees are so generously providing for. Trips to the parks, to Manawa, the Manhattan of the west, to Prospect Hill and Forest Lawn cemeteries and the "bowls" to take place directly under the towers of the Exposition buildings will make pleasant the intervals snatched from the convention and the exposition.

The beautiful edifices in which the sessions of the convention are to be held are





OMAHA, NEB. THE CONVENTION CITY.

faultless in their ample seating capacities and their acoustic properties. Come and see for yourself this wonder of the times. See Omaha set apon her hills and take in the panoramas stretching to the east and south with miles and miles of lovely valley, for the surrounding scenery is incomparable. The dream palaces of the Arabian Nights appear to you in reality, but description can not make you understand it. You must come and see for yourself. And when you have visited it. and luxuriated in it, and breathed its exhilarating ozone, when you have taken a gondola ride upon the illuminated grand basin, when you have beheld the colored tountain and its jeweled spray, when you have stood enraptured in the presence of the golden domes mirrored upon the waters and have seen the splendors of gorgeous sunsets lighting up the purple hazed ldutts beyond the river, the memory of the scene will linger with you and in your slumbers will take you agam in its embraces

The exposition gardeners are doing their best to get everything in trim for the florists when they arrive for the consention. Henderson has a beautiful corper bed opposite the Minnesota building a structure of logs from the pine forest of that state.

Liggett & Myers Tobacco Co. have nade a test of Lentinky White Burley seed and have, three display of over 2000 plant, which have nearly attained full growth adders to be bleaching funlash has recardable as they were started as late. So he is a compate unknown a tobacco growing disence. This is probably the free corpore of a great industry for the middle of the

Don't tal to get on Montgone Ward & Composition Contingence take in the bluff tract. As you speed along the winding drives, past the gay flower beds and the crowd on the edge of the bluffs, take in the bills across the river and notice the silhouetted oaks against the water of the lake below, and don't overlook the quaint Japanese tea gardens at the end.

Prof. Frederick W. Taylor, Superintendent of the Bureau of Agriculture, Horticulture, Forestry and Irrigation took a short onting in the Yellowstone last week and reports a lively time. The National park is becoming quite a mecca for tourists this year.

E. C. Kirstead has a fine loan collection of ferns, begonias, and rare palms under the dome of Horticultural Hall.

Dreer's pond lily basin will undergo a few changes in its construction. The bottom will be paved with brick to do away with the muddiness of the water. The Victoria regia has sent out its first blossom and a beauty.

The Nymphan rose and myosotis beds in the grand court attract every one's attention, especially so the forget-me-nots exhibited by J. S. Neligh & Co., of Westpoint, Nebraska.

The vines have begun to creep through the balastrades on the island and make this attractive feature of the lagoon more charming.

Mr. Hess, superintendent of Douglas county's floral exhibit, keeps up his floral display daily and the whole building is sweet as Arabia's rose seemed breezes. J. 11, 11.

Spot, VNE, WASH—Horists of this city supplied the luxuriant floral decorations for the recent reception at Rossland, B. C., to Lord Aberdon, governor general of Camala.

#### Chrysanthemum Notes.

Plants benched early in June should, by this time, be in condition for a mulch of well-rotted manure. If they have made vigorous growth and the soil is well filled with roots showing on the surface, it is time a mulch was applied. Later planted stock will get along for a week or two without being mulched, or until such time as the beds are in the condition described above. Before mulching go over the beds and cut out any suckers that are pushing up through the soil. It is well to take a little care in doing this and not tug and pull them up with a good sized piece of root from the plant, as is often the case when the work is done carelessly. It is far better to take a knife and cut the suckers away. Then try and have the soil in as even a condition as possible, using caution not to have it dry or the plants will absorb the manure too rapidly. The idea of a mulch at this time is to act as a protection for the young roots from the hot sun and drying winds, and also as a gradual nourishment. The manure should be well rotted and made as fine as possible, spreading it as even as can be and not too thick-just enough to cover the sur-

A watchful eye is a necessity now to keep the lateral shoots removed before they get too large and have sapped a great deal of the vitality from the main stem. It is therefore best to pinch them out as soon as they are large enough to handle without injuring the leading shoot that is to be retained. The early varieties must be given every encouragement possible from now on, as the production of fine blooms early in October depends greatly on the treatment given the plants during the next few weeks. They must

not be allowed to dry out or they will soon get stunted, and this means dry and hard wood with small foliage and short

petaled blooms.

The plants need to be well syringed on hot days to keep the foliage in good condition and the sap flowing, so that in about four weeks from now they will be in condition to form the kind of bud that is essential for an early and well formed bloom. If any specimen plants are grown for exhibition or market purposes, care must be taken not to allow them to become drawn and leggy. They should be kept away from dark corners and given lots of ventilation. If any are grown outside and they show a tendency to get hard, it is best to put them indoors. For specimen plants that are well rooted a weak application of liquid manure every six or seven days will be beneficial.

C. W. JOHNSON.

#### New York.

DULL TIMES.—ALL FLOWERS AT SUMMER QUALITY.—VACATIONS IN ORDER.—IMPROVEMENTS GOING ON.—PERSONAL ITEMS, SERIOUS AND OTHERWISE.

New York florists just at present do not look for business. Occasionally some one dies, even in New York, and an order for a wreath or two is the outcome. The wreath is more likely to be made of galax leaves than anything else and a little cluster of peas, lily of the valley or roses in one corner constitutes the flower growers' share in the transaction. Asters, white, pink and purple are now in market but are of poor quality as a rule. There are plenty of other flowers that are also of poor quality. American Beauties are no longer peerless; the buds are about the size and shape of small acorns when they come in and as flat as a half dollar by

noon time. A half dollar will buy an armful of such and a dollar or two will transfer the ownership of the entire consignment from a good-sized growing establishment. Carnations are also at summer size and price and lily of the valley does not realize the original cost of the pips, hence the grower would make a comparative profit by throwing the pips away as soon as he had bought them and saving himself all farther trouble.

Clerks in many places are now away on their vacations. So the visitor in town finds the boss in charge of the deserted store, ill at ease over the obligation to remain there till the last and close up at night and longing for the two weeks to pass so that he may be relieved of the responsibility of opening up the place in person early every morning. Some are painting up and making repairs during the quiet time. J. K. Allen, on Twenty-eighth street, is having another big refrigerator built. This very enterprising gentleman evidently has his eye on some big American Beauty grower for next season for the new ice chest is devoid of shelves and can accommodate a whole forest of seven or eight foot stemmed Beauties. Johnnie Weir doesn't build ice chests; he buys them; in fact he will buy anything that he can get for his own price. The opportunity this time was furnished by Bennie Ezechel, who gives up the wholesale florist business on Twenty-eighth street, for the present at least, and betakes himself to the beaches. So Mr. Weir got the ice

Down town on Greenwich street the irrepressible "Sinquillum" man still holds out, but apparently the gullible part of the native population has concluded that if it is to be fooled Coney Island is the preferable place at this season of the year

and the visitors are very wary, so although he displays the "English Tuba Rugosa, thirty-six colors, will bloom in two weeks," the "Sinquillum" man has but little success in creating any enthusiasm over this wonderful discovery.

J. J. Hess, of Omaha, visited New York last week and made a pleasant call on several of the local florists and seedsmen.

Ford Brothers are the only wholesale florists here who are thoughtful enough to provide arm chairs for their visitors.

MacDonald & McManus are receiving grand flowers of Cattleya gigas, but customers for the beautiful things are scarcenow.

Theodore Lang has been seen in town several times since he escaped from his triends amid a cloudburst of rice and a volley of old shoes.

Peter Barr has departed westward, bound for the Yellowstone Park. He expects to see New York again, however, before returning to England.

The list of intending visitors to the Omaha convention is lengthening, and New York will show up better than was anticipated.

John Finn has been appointed to take charge of the small parks between Fiftysixth street and the battery.

Ernest Asmus packed up his rods, lines, reels, flies and nets and started for a fishing trip on Monday last.

Mr. Ulrich has recently returned from

Mr. Ulrich has recently returned from Omaha, where he has been in charge of the landscape work.

Ernst Asmus says that Carnot is not profitable as a winterforcing rose because of its demand for a rest in cold weather.

of its demand for a rest in cold weather.
Visitors: Robert Craig, Philadelphia.
Pa.; J. T. Butterworth, South Framingham, Mass.

John Ringier is no longer connected with Vaughan's Seed Store.



VIEW IN HANSOOM PARK, OMAHA, NEB

#### Boston.

P. & E. J. WELCH ENTERTAIN THEIR GENTLE-MAN FRIENDS AT OLD ORCHARD BEACH, —SWEET PEA DAY AT HORTICULTURAL HALL.—SPLENDID EXHIBITS,—BUSINESS STILL VERY QUIET,—ROSES IMPROVE IN OUALITY,—NOTES AND COMMENTS.

Messrs P. & E. J. Welch entertained a few of their friends in business, at their summer home at Old Orchard Beach, on Tuesday. Two dozen gentlemen, mostly from Boston, Providence and Portland comprised the party, which, had there been more room, might easily have been increased by several dozen more before the number of intimate business friends and associates of these two gentlemen would have been exhausted. The occasion was an unqualified success in every respect and the day one of the greatest enjoyment for all who participated. Most of the Boston contingent went by boat to Portland and thence to Old Orchard by train, the all night sail on the ocean at this season of the year being a vacation in itself. A drive in buckboards along the beach was enjoyed and when it came to refreshments, both solid and liquid, the hospitality of the hosts knew no bounds, while the many kind attentions of the lady members of their families added greatly to the pleasure of the guests. But little time was devoted to guests. speech making, the attractions of the beach being too potent, but Mr. John Galvin who officiated as toastmaster managed to extract some interesting remarks from a few of the strangers, including a cyclonic onslaught from Mr. Warren Ewell which was supplemented by the "Maloney" song rendered in Mr. Galvin's best style.

Last Saturday was sweet pea day at Horticultural Hall. There was a superb display of these much-loved flowers and many delighted visitors were in attendance. H. B. Watts, F. A. Blake, W. H. Harrison, F. E. Chaffin and M. B. Faxon were the largest exhibitors. There were herbaceous plants in fine assortment from W. N. Craig and Rea. Bros., also a fair show of hollyhocks and other flowers from various contributors. Robert Laurie was rewarded with a certificate of merit for dwarf Tropacolum Vesuvius, of which an illustration appeared in the AMLRICAN FLORIST last year. Mrs. A. W. Blake showed a fine specimen of Cattleya gigas.

Business is still very quiet and time hangs heavy on the hands of the store florists while their fellow craftsmen in the greenhouses out of town are going through the broiling process of planting and putting houses in shape for next season's business. Roses are better in quality, generally, the greater part of those coming in being grown especially for summer curring. Asters are getting plenty and there is a heavy supply of candytuff, teveriew, gypsophila and other outdoor garden products.

Hypernum aureum is one of the showlest things to be seen in the park and baile and plantations at this date. Its golden flowers are exceedingly effective and to baing flowering period is another to ag point in its tayor.

on the finest fruiting shrubs which in Leavison has to show among he rewer attach trans at the Aria di Aria et a Comming Japonica. It is a Law proclame shrubs the branches best may at training under their weight of conditions.

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#### Chicago.

STOCK IS OF INCREASING QUANTITY AND IMPROVING QUALITY.—TRADE IS FAIR.—NEW BEAUTIES ARE IN DEMAND.—CARNATIONS ARE BETTER THAN IS USUAL IN SUMMER.—HEAVY LOSSES BY HAIL.—NOTES OF PEOPLE AND THINGS.

The tide has turned, and both the quality and quantity of flowers show improvement from day to day. Most welcome is the new cut of American Beauties, for this flower is in constant and never satisfied demand. Beauties are not yet absolutely first-class, but they are good, nevertheless, and the demand is increasing as fast as is the supply.

Hot weather never fails to have a deteriorating effect on trade, and the last few days have been scorchers, but none of the dealers have serious complaint to make. The call for flowers has been all that could be expected, and about all that the supply could accommodate.

Among the finest blooms in the market are the Perles and Kaiserins, which seem to stand the hot weather with unusual fortitude this year. Carnations are also exceptionally good for summer flowers, and William Scott are about the best of the lot, although the Kohinoor, one of Pennock's introductions of three years ago, is one of the finest whites in the market, and is being sent in by several growers who are making large cuts from plants in the fields.

Sweet peas are still in over supply and are of rather inferior quality.

Only three bowlers participated in the games last week. The Stollery brothers are enthusiasts in this sport and seldom miss a night, no matter how high the temperature. They are both showing marked improvement in their game. It will soon be in order to select a team to represent Chicago in the prize cup contest at the convention.

Thursday has been selected as the day for the next outing, as the hoats to Milwaukee are badly crowded on Sunday. It is hoped and expected that there will be a good sized party, and cach excursionist is expected to bring his lunch.

On Thursday evening Chicago was visited by the heaviest hail storm on record. The icy pellets were of almost incredible size, fully sufficient to perforate green-house roofs, but fortunately the storm extended over a belt only a couple of miles wide from north to south. It swept the west side of the city and a part of the north side, being most severe in the vicinity of West Madison street, where Herman Schiller lost nine tenths of his glass. His greenhouses in the country were outside the storm belt. H. N. Burns, at 690 West Van Buren street, was a heavy loser. Not only was much of his glass broken, but many valuable plants were beaten down. Nelson Swain & Sons, Paulina street and Chicago avenue, lost most of their glass. E. Wienhoeber was one of those whose houses suffered the greatest damage. He has 14,000 feet of glass and hearly half of it was broken. At Garfield Park the hail demolished the glass in the conservatory. II. 1. Halle was another heavy loser, and Vaughan's greenhouses at Springs lost over 3,000 panes of glass.

Andrew Muller and August Jurgens have returned from The Dells, Wisconsin, where they have been camping with the ago's famous Apollo Commandery, Englits Templar

| C McCullongh, of Cincinnati, was a Chicago caller this week. Other visitors were A.J. Brown, of Grand Rapids, Mich., I. J. Hoss, of Omaha, Neb., H. M. San-

born, of Oakland, Cal., and G. B. Wiegand, Indianapolis, Ind.

W. E. Lynch is spending his vacation in the east.

O. W. Freese has returned from the Pacific coast.

E. II. Hunt, who has been in ill health for some time, is now fully recovered and at his store as usual.

#### St. Louis.

FLORISTS OF THE MISSOURI METROPOLIS HOLD THEIR ANNUAL PICNIC AND MAKE IT A HUGE SUCCESS.—WINNERS IN THE VARIOUS CONTESTS.—GOOD DELEGATION ASSURED FOR THE TRIP TO OMAHA.—TRADE IS VERY QUET.

The principal event of the past week was the very enjoyable outing of the St. Louis Florists' Club and its friends which was held in Belleville on July 20. The special train leaving the Union Station at 9:30 a. m. was comfortably crowded, having about one hundred passengers aboard, and all prepared to have a good time. The day was ideal, a storm the night before having cooled the atmosphere to a pleasant temperature, while just enough rain had fallen to make the grounds in the best of condition. A band of five pieces accompanied the florists and entertained them during the hour's run to Belleville. Upon our arrival there we were met by the Bellville florists and a good time was con.menced.

After lunch the athletic sports were started with the quoit contest, and during its continuance the shorter events were disposed of. A shooting contest was indulged in but owing to the unfavorable location of the grounds very poor scores were made. First prize in the shooting contest was carried off by Mr. Amman, of Edwardsville, Ill., and second by Max Herzog, of Gratoit, St. Louis county. Dancing was indulged in to some extent and at 7 o'clock, after a most enjoyable day, the train pulled out for home.

The winners in the various events were as follows: Quoit contest, C. McCraw; 100 yard run, Henry McCraw, second C. McCraw; hop, step and jump, R. Beyer; running broad jump, Mr. Alers; standing jump, R. Beyer; ladies egg race, Mrs. E. W. Guy, of Belleville, Mrs. Gutzman, second; girls race, Miss Jeungle; fat men's race, 180 pounds and over, Gus Eggling, of South St. Louis. The competition in all of the events was close and furnished plenty of excitement. A game of cocked hat played with a wooden ball suspended from a convenient tree trunk attracted a crowd the entire day and was the occasion of much merriment. Despite the fact of there being a brewery on the grounds everything went on in the most satisfactory manner imaginable, and those having the matter in charge can congratulate themselves on having provided a most enjoyable outing for all who participated.

From latest indications there will be about eighteen St. Louis representatives at Omaha, and this number may be increased as there is enough attendance in sight to assure us a special ear; all those tributary to St. Louis who can possibly do so are cordially invited to join our delegation. A rate of \$13.50 for the round trip has been made. Parties desiring further information can correspond with Mr. J. W. Kuntz, 822 Olive street.

Trade is very slow, funeral work being about all that is doing. Henry Berning has returned from his trip through Illinois, Indiana and Ohio. He reports Cincinnati as the deadest town on the continent.

R. F. T.

#### The American Florist

Subscription \$1.00 a Year. To Europe, \$
Subscriptions accepted only from those in the trade. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago,

#### The Convention.

The fourteenth annual meeting of the Society of American Florists will be held at Omaha, Neb., August 16 to 19, inclusive. The secretary, Wm. J. Stewart, 67 Bromfield street, Boston, Mass., will receive the annual dues in advance of the meeting and forward the 1898 badge by mail. S. B. Stewart, 119 North Sixteenth street, Omaha, is in charge of the trade exhibition, and will supply prospective exhibitors with all necessary information.

#### On to Omaha.

The efforts of the American Florist have at last resulted in a reduction in the rate of railroad fare to the S. A. F. convention. The Western Passenger Association has authorized a rate of one fare for the round trip plus \$2, or \$14.75 from Chicago, and \$13.50 from St. Louis. In territory within 150 miles of Omaha a rate of one fare will obtain. In territory between Chicago, Buffalo and Pittsburg the Central Passenger Association has conceded a rate of one and one-third fare for the round trip, upon the certificate plan.

The Chicago, Milwaukee & St. Paul railroad has been selected as the route from Chicago to Omaha, and the AMERICAN FLORIST is prepared to reserve for its friends berths in special Pullman palace ears leaving Chicago at 6:15 p. m., day, August 15, which will reach Omaha at 8:20 a. m. the following day.

Many of the eastern delegations will travel to Chicago over the Pennsylvania railroad upon the train leaving New York August 14 at 2 p. m., leaving Philadelphia at 4:30 p. m.; Washington, 3:30 p. m.; llarrisburg, 7:30 p. m.; Baltimore, 4:35 p. m.; arriving at Chicago at 5 p. m., at the same depot from which the Chicago, Milwaukee & St. Paul convention train will leave one hour and fifteen minutes later.

Eastern representatives are invited to join the Illinois party and should see that their tickets read "Via Chicago, Milwaukee & St. Paul railroad."

#### Railroad Rates to Omaha.

A rate of one and one-third fare for the round trip, on the certificate plan, has finally been secured from all points in the territory of the Central Passenger Assowhich includes everything between Buffalo and Pittsburg on the cast and Chicago and St. Louis on the west, and north of the Ohio River. It is possible that special delegations from this territory may be able to make even better rates now that this rate has been conceded, but the one and one-third fare concession is available to individuals on any and all lines under the jurisdiction of the Central l'assenger Association.

WM. J. STEWART, Secretary.

THOMAS EDWARDS, of New Brighton, Pa., has retired from business in favor of

August 2 is designated as Flower Day at the Omaha Exposition and will be the occasion of an elaborate floral pageant.

H. M. Sanborn, of Oakland, Cal., who has been staying for a time at Bradley Beach, N. J., started for home on Tuesday last.

THE attendance at the Trans-Mississippi Exposition is already large and is increasing each week. The show is well worth seeing.

It is said that the odor of flowers is antiseptic and that during epidemics those who are employed where they constantly breathe the perfume are exempt.

The Kezalink Valley in Roumania is entirely given up to the cultivation of roses, the essence of which is sold to pertumers in Paris at a very remunerative

John N. May, receiver for Pitcher & Manda, will sell at auction August 1, the firm's personal property and book accounts, judgments, notes, etc., amounting to \$12,129.15.

Ix reply to a note on the flowering of Mme. Salleroi geranium, in our issue of July 16, several correspondents have sent us flowering specimens under that name. It must be remarked, however, that they are all sports more or less distinct from the common type of the variety in question, in the form as well as in the variegation of the foliage.

#### The S. A. F. Presidency.

An important note intended for publication in our issue of July 23 was unavoidably held over. It was from Mr. W. N. Rudd and stated that he is not a candidate for the above office.

#### A New Remedy for Aphides.

Kraft's I'lant Tonic has been tested on fruit trees and chrysanthemums infested with aphides at the Cornell University Experiment Station, and proved effective. The black aphis is such a troublesome pest to chrysanthemum growers that they will be glad to learn of anything likely to banish it from their premises.

#### Catalogues and Cut Flower Price Lists Received.

J. M. Thorburn & Co., New York, N. Y., bulbs: Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea., Cal., seeds, plants, bulbs; J. H. Boyd, Cagle, Tenn., tree seeds; W. J. Hesser, Plattsmouth, Neb., palms; Wm. F. Kasting, Buffalo, N. Y., cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers.

#### Piping Rose and Carnation Houses,

Ed. Am. Florist:-(1) Vou will confer a favor by stating how many feet of 114-inch steam piping are required to heat two three-quarter greenhouses, connected, each 20x60 feet, one for roses and the other for carnations. (2) State also whether one purlin will be sufficient to. support the roof of each house.

E. M. H.

(1) If there is no glass in the side walls 600 feet of 1 inch pipe will answer for roses and 450 feet for carnations. (2) One will answer with large sash base, but it will be better to have two.

#### Greenhouse Building.

West Grove, Pa.-Dingee & Conard., eight commercial houses.

Dorchester, Mass.-J. E. Nelson, one commercial house.

Cochituate, Mass.-Warren Carter, one greenhouse.

Brookfield, Mass.-I. H. Le Fayour, one foreing house.

Malden, Mass.-E. S. Converse, one violet house 9x60.

#### Omaha Hotels.

Following is a list of Omaha hotels convenient to the convention hall: Capacity, American, El Ropean, Plan, Plan, Hotel. Her Grand Her Grand,
16th and Howard,
The Millard,
18th and Douglas,
100
Areade Hotel,
13th and Douglas,
100
Hotel Delloue,
14th and Capitol av, 450
The New Merger, PLAN. \$1.00-1.50 \$3.00 up. \$1.50 up. \$2.00 un. \$1.00 00. Hith and Capitolay, 450
The New Mercer,
12th and Howard, 200
Hotel Barker,
13th and Jones, 100
The Midland,
16th and Chicago, 150
Drevel Hotel,
16th and Webster, 100
Murray Hotel,
14th and Harney, 100
Victoria Hotel,
100 bodge European (gentlemen 101 HI So, 13th, 40
Hotel Vendome,
414 So, 13th, 40
Hotel Carfield,
15th Howard, 200 \$2,00-2,50 \$1,00-1.50\$1.50 \$1.00 \$1.50 2.00 \$ .50 L00 4 \$ .75 up. \$2.50 um. \$1.50 up. only). \$1.00 \$1.00-1.50 \$2.00 200 \$ .25 up. 1515 Howard. The Brunswick, 16th and Jackson,

#### 200 Philadelphia.

\$2.00-3.00

\$1.00 up.

STOCK IS FLOURISHING. - THE AVERAGE PPICE OF CARNATIONS -BUSINESS IS BET-TER THAN IS THE SUPPLY OF FLOWERS. -KAISERIN IS THE BEST OF SUMMER

We have had fine growing weather both inside and out the past two weeks, and stock for next season is making great Carnations in the field strides forward. are looking particularly well for this time of year. It would be interesting to know the average net price of carnations for the season. Many persons in seeing the quoted figures from time to time through the winter get an idea that from \$1.25 to \$1.50 per hundred would be about the average. A grower whose stock runs a grade or two above the general consignments, is reported to have said that his entire output for the season 1896-97 netted him 85 cents per hundred. The stock was handled entirely by one commission house. It would seem that this was very near the cost mark.

Business is quite good, retail dealers having to apologize for their meager stock to all customers unless they happen to want white roses, which are quite satisfactory, Kaiserins now being up to the winter mark and often better. It should winter mark and often better. be some one's good fortune to find a pink sport of this variety soon, and then there

would be general rejoicing.

Joseph Heacock potted off a lot of American Beauty cuttings, part of which he placed on a table bedded with ashes, and part on an empty rose table, from which the earth had not been removed; after a month or so the difference was very marked in favor of the plants on the earth. After being planted out they made a very vigorous growth and are far ahead of the other lot, although now meeting with the same treatment.

John Jensen, of Thirth-eighth street and Laneaster avenue, is putting a new front in his store and making other improve-

#### San Francisco.

THE CARNATION SUCCEEDS THE CHRYSAN-THEMUM UPON THE PACIFIC COAST. CALIFORNIA VARIETIES SENT EAST.—CARL KRUGER'S GOOD WORK,—CARNATIONS FROM THE EAST DO LITTLE IN THE REGION OF THE GOLDEN GATE.

Many of the growers are not as yet throwing out their old carnation plants. Portias are in good demand on account of the war, there being many regiments of soldiers camping in the vicinity. Red, white and blue decorations are in order. and Portia, McGowan and cornflowers make a pretty and patriotic combination. Portias are now selling at eight dozen for a dollar and white and Scott at six dozen tor a dollar, a remarkable price at this rime of year.

Most of the growers are through planting chrysanthemums. There will not be very many grown this year, owing to the demand for carnations as noted above. Last season was a very favorable one for outside chrysanthemums, owing to the lack of rain from October to December, and consequently inside stock did not pay the cost of growing, Bonnaffon and such varieties, well done, wholesaling at from 50 cents to \$1 per dozen. This season, owing to the overproduction last year, only about one-fourth the usual quantity have been planted; and if we have an early, wet winter, those that have a good crop under glass will reap a harvest.

The California seedling carnations being tried for commercial varieties by Albert M. Herr, of Lancaster, Pa., are the twelve varieties exhibited by John II. Sievers at the convention of the Carnation Society of America held in Chicago last February. Helen Dean, a pink seedling from Albertina, Hannah Hobart and John Carbour, something new in the way of yellow, are of especial merit, and when disseminated will take the lead in their colors over any carnations on the market provided they do as well east as in California. The variety Hannah Hobart, is one of the largest earnations ever grown, three and one-half inch flowers being the rule while many of them are four inches in diameter. Carl Kruger is the grower and introducer of these varieties and has been working on them for four years past. Last year he sent out fifty varieties and fifty more this year that have been extensively planted by the growers around San Francisco for cut flower and fancy varieties. The twelve sent to Albert M. Herr are the cream of his labor and were selected for commercial purposes.

The varieties grown at Rendondo Beach have more or less of the Margue-rite strain and in the Lois J. Haettel this is very pronounced. The reason car-nations do so well in California is that they can be planted from sand to the open ground as early as February and need not be lifted until October. It seems strange, however, that very few of the castern varieties do well here. Of those sent out last year Flora Hill and Mrs Bradt are the only ones that have done well enough to be grown to any extent this year. It may be that they are over propagated, fed up and forced to such an extend to make so called rooted cuttings at \$10 per hundred, that they are impov erished and weak, full of bacteria and rust and do not do themselves justice the first season. They may do better after they have recovered from their seven treatment and have become more or less acclimated, but so far they have not been as great as rate cetted.

Washington, Pa.—This city is to have a chrysanthemum show in the fall. It will be under the auspices of some charity.

ETOX RAPIDS, MICH.-Louis Lunberg has, from ten acres of ground, secured a yield of forty bushels of Alsike clover seed.

LITCHFIELD, ILL. — George Hanson, who has sold out his florist business at Springfield, Ill., will start a similar establishment here.

Houston, Texas.-Mr. and Mrs. R. H. Byers celebrated their golden wedding last Wednesday, July 20. Mr. Byers is a minister and Mrs. Byers has conducted a flower store here for thirty-two years.

DES MOINES, IA.—The palm swindlers, who are becoming well known to the trade, secured eighteen plants of W. L. Morris on July 18. The loss was about \$50. It was the same game that has been worked successfully in many other

Panccan, Ky.—Hunter Hough has sold the La Belle Park greenhouses to George Schmouse who will conduct the establishment in connection with his nurseries. The greenhouses will be closed until August 28 and in the interval will be thoroughly repaired and restocked. They have about 4000 feet of glass.

#### SITUATIONS, WANTS, FOR SALE.

Advertisementa under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant adva. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 188 is entitled to a tive-line want adv. free to be used at any time during the year.

SITUATION WANTED—By a young lady with good experience, for September or before, to take charge or assist in Horist store Address

A K L. care American Florist.

CHUATION WANTED-By good gardener who whiches to have good place; 2s years of age, single; 12 years experience. A) references. Address JOSEF KOHOUT, 1575 W 22nd St., Chicago.

SITUATION WANTED—As assistant or to take of charge, by good all round man; 14 years experience under good growers. English: age 28; married, no children. GARDENER, Floral Park, N.Y.

SITUATION WANTED-By a single man with 5 years' experience; can take charge of section of rose houses or do general work. Western states preferred. Address

M. S. C. care American Florist, Chicago.

SITUATION WANTED—In commercial or private place by practical florist, good grower and propagator; six years in last place; good references, English, married, age 28. Address G. A. Hodgson, Laconia, N. H.

STUATION WANTED. By practical fluist and de-blaner. No. 1 grower of fine roses, carnations, hums, violets. Good commercial or private position. Best references. Address FLORIST, P. O. Box 547, Allance, O.

STUATION WANTED By gardener; English, age
50 small family; 25 years experience in all-round
work. Good orchid grower. Ten years with Sir W.
Van Horne, Montreal. First-chass references.
J. H. HOLLIDAY, E336 Alexander St., Montreal, Can.

SALESMAN WANTED To take orders for Orna-mental Trees. Strubs etc. for private places. Must possess a knowledge of habits and value of the more popular varieties, and of landscape planting. State experience and salary required. THE LOVETT CO. Little Silver, N. J.

STECATION WANTED By a Brat class grower of process carnellons minus and general stock. Courselve good references from three of the Intress grower in Pennsylvania Single; 10 years oxnerionce. Address LR, care feel Book Bosery, Foster Brook P. O. McKenn Co. Pa

WANTED A good envisher to introduce new plants A permanent position. Address PISE care American Florist, Chicago.

WASTED AT ONCE Young, single florist; good worker, as assistant to grow general greenlouse stock. Address. Jos. LARO, Joffel, III

WANTED A young single, German florist, as as selected in the growing roses and carnations. Applicable must state wages wanted a property of the Park Froncas Co., New Castle, Ind.

WANTED Man as foreman and general green-louse worker. Also a voith with experience to assist in store. State salary required and nartic mark to. Airing all Bools, tithee, N.Y.

WANTED A good florist: must be well experienced in growing out flowers and a steady worker. Only a man, quick in action, and who is able to work without bring watched, need apply. Wages \$25 per month with brard by steady work and increase not excluded. without b month wi excluded.

FOR SALE-Four greenhouses, near y new. Good retail stand. A. CLAUS, Springfield, III.

FOR RENT—Good paying retail bouses, new, of 5000 feet, in city of over 20,000. Renter to buy stock.

A B, care American Florist, Chicago.

FOR SALE—Small heater in running order, embrac-ing boiler 300 feet, 4-in. plping, tank, valves, etc. GEO. B. MOULDER, Smiths Grove, Ky.

FOR SALE- No. 16 Hitchings hot water boiler in first-class condition, only used three years. Price \$100 cash. Address

Bell Miller, Springfield, 111.

PARTNER WANTED—In cut tlower and mushroom growing: only a few hundred dollars necessary. Address K. Wilson, Walson, Advers Ave., Hot Springs, Ark.

FOR SALE OR RENT-Five greenhouses with stock, everything convenient, in a thriving city; will rent or sell reasonable if taken at once. Prepared soll on pince. Poor health is the reason for selling. MISS PAULENA ENGLISH, Oconomowoc, Wis.

FOR SALE-21 acres land, suited to gardener and thorist, in city limits, St. Charles, III.; small house, and buildings all new; 35 miles from Chicago; two railroads; on street car line; near cemetery. Price \$3000. Address H. SWABY, Eldora, Iowa.

FOR SALE—Florist's place in one of the best cities in eastern Illinois; city water: heated by hot water, and deding a good business: 3750 feet of glass—three houses—near court house. This place will bear investigation. Address H D C, care American Florist.

FOR RENT-Three greenhouses; established trade: recently built. Good house, barn, half acre of land in a live N Y, state city of 20,000 unhabitants: the chance for live man; rent \$16,00 a month; good reasons for renting. Address
OPPORTUNITY, care American Florist.

## Boiler Bargain Second hand boiler for sale for fifty dollars where

it stands. T. H. LINSLEY & CO., Evanston, III.

#### CHICAGO LOTS FOR SALE!

One block from corner Lincoln avenue and Wellington atreet, a bunch of lots at \$25 per front foot, sewer and water. Sultable for greenhouse purposes.

JAMES ROOD, JR.,
Tel. Main 3868, Room 5, 154 Lake St., Chicago.

#### FOR SALE AT A BARGAIN.

Florist establishment of over 10.000 aquare feet of glass; splendid situation, 8 lots, 35 ft. front; water, age and electric light on atreet; greenbouse, office and barn all newly built, with all conveniences; heated by steam. Centrally located in city of 18000 population in State of Indiana. Competition none to apeak of. Leading establishment in the city. Sickness cause of selling. Address Indiana, care American Florist.

#### FOR SALE.

My entire plant of greenhouses, dwelling house, barn and workshop, horse, carriage, flower wagon, plumbing tools, 1500 feet of new glass 16v16 and 16v21, five acres good land, two acres fruit of all kinds. Stock to fill house this fall. Good market in cut flower trade. Call or write for further information. Poor health the cause of sale.

A. A. WELDEN, Berlin, Conn.

#### FOR SALE.

FIFTY HORSE POWER BOILER with front and fittings complete, F. O. B. \$100.00. Is in first class condition, in use only five years heating school at low pressure.....

Address JOSEPH KIFT, Manchester, Pa.

#### NOTICE

#### STOCKHOLDERS' MEETING.

CHICAGO, July 16, 1898.

Stockholders of the American Florist Company:

Avo are hereby notified that the annual meeting of the Stort holders of the American Florist Company will be held in Hotel Bellone, Omaha, Neb., Thursday, August. 18, 1898, at 3 o'clock r. m., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres, M. BARINER, Acting Secty.

IT IS GOOD RESINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISEE

#### Buffalo.

HOT WEATHER MAKES BUSINESS NO PLEAS-URE AND TRADE VERY POOK.—ROSES HAVE A WEARY LOOK.—FLORIST'S CLUB PLANS AN OUTING AND TRANSACTS OTHER BUSINESS .- THE OMAHA DELEGATION .-NOTES AND COMMENT.

Florists in and around Buffalo have done nothing the past week but look for cool places and wish for rain. The weather, of course, makes flowers very poor. Sweet peas show the want of

poor. Sweet peas show the want of water, while roses have a weary look. The Florists' Club met last Friday and transacted its business in a thorough manner. The schedule for the chrysanthemum show was carefully gone over and was satisfactory to the committee. Wednesday, August 3, was selected for our annual outing. President Scott appointed Messrs. Kasting, Anderson and Buddenborg a committee to select the place and make all arrangements. The Bedell house on Grand Island will be the Bedell house on Grand Island will be the place, and with this committee a good time is assured for all. Phil. Scott was added to the committee to help out in the

sporting part, that being his forte.

The boys going to Omaha have not completed their plans, but from present indications at least seven and probably

ten will go from here.

The only Billy Boas, representing Edwards & Docker, of Philadelphia, called last week, and by his looks and good humor be weet boas and good humor he must have seen all the trade and met with success.

The Sage of Dreerville, Walter Mott, was here last week and, as usual, called on all and looked happy. He promised to see them again in Omaha. H. J. Wise, of East Aurora, was also a visitor this week.

Evansville, Ind.—The annual flower show of the Press Club will be held in the second week of November. C. C. Genung is chairman of the committee having the affair in charge.

Bucyrus, O.-J. F. Norton is remodeling his greenhouses preparatory to the removal of his Nevada establishment to this city. He has a large and rapidly increasing business, largely a shipping trade.

#### GHIGAGO TO OMAHA.

Take the Chicago, Milwaukee & St. Paul Railway. It is the best road and shortest line between the two cities. It has the most pertect track and the finest equipment. The sleeping cars are palaces, and the dining car service equal to the best hotels.

For the meeting of the Society of American Florists, the Chicago, Milwaukee & St. Paul Railway will sell tickets at one fare plus \$2.00 (\$14.75) Chicago to Omaha and return on August 14th and 15th. Tickets good to return to and including Aug. 25th.

A special solid Vestibuled Electric Lighted train will leave via Chicago, Milwaukee & St. Paul Railway from Union Lepot at 6.15 p. m. on Monday, August 15th, on arrival of trains from Philadelphia, New York, Boston, Buffalo, Pittsburg, Cleveland, Toledo, Detroit and Milwaukee, arriving Omaha S:20 a. m. Tuesday.

In purchasing through tickets from East of Chicago, see that they read over the Chicago, Milwaukee & St. Paul Railway from Chicago to Omaha.

Reservations can be made in sleeping cars and tickets purchased on application to H. E. Laing, City Passenger Agent, 95 Adams Street, Chicago,

## August Rölker & Sons Cycas Leaves, SUPPLIES Florist Baskets,

Send for trade list; also for prices on fall be azaleas, etc., imported to order. Addres

52 Dey Street,

NE# YORK.

## Wholesale Flower Markets

| CINCINNATI, July 28.               |                                                                               |
|------------------------------------|-------------------------------------------------------------------------------|
| Roses, Beantiea, select            | 8 00@10.0<br>2 00@ 3.0<br>3.0<br>2.00@ 3.0<br>50@ 7.<br>1.5@ 2.3<br>3.00@ 4.0 |
| Smilax.<br>Adlantum.<br>Asparagus. | 1.0                                                                           |
| St. Louis, July 28.                |                                                                               |

## | Roses, Beautiea. | 2 10@15 00 | ... | Meteore | 2 .00@ 5,00 | ... | Meteore | 2 .00@ 5,00 | ... | Roses | 2 .00@ 4,00 | ... | Roses | 2 .00@ 3,00 | ... | Roses | 2 .00@ 3,00 | ... | Roses | 2 .00@ 3,00 | ... | Roses | 2 .00@ 5,00 | ... | Roses | 2 .00@

#### MILWAUKEE, July 28.

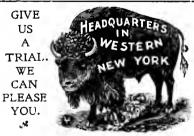
| Roses  | Ree  | ntlas |      |      | 5 00@20.00                                                         |
|--------|------|-------|------|------|--------------------------------------------------------------------|
| 44     |      |       |      |      | 2 00@ 4.00                                                         |
| **     |      |       |      |      | 1 00@ 3.00                                                         |
|        |      |       |      |      | 2 00@ 4 00<br>2.(0@ 5.00                                           |
| Carnat |      |       |      |      | .40@ 1.00                                                          |
| Sweet  | peas |       |      |      | 08@ .15                                                            |
| Gladio | li   |       | <br> | <br> | 3 00 0 5 00                                                        |
|        |      |       |      |      | $10.00$ $\stackrel{\circ}{=}$ $15.00$ $\stackrel{\circ}{=}$ $1.00$ |
|        |      |       |      |      | .40% 1.00                                                          |
| Aspara | gus  |       | <br> | <br> | 50.00                                                              |
|        |      |       |      |      |                                                                    |

#### BUFFALO, July 28.

| Roses, Beauties 5.00@25 00             |
|----------------------------------------|
| Brides, Bridesmalds 2 00@ 6 00         |
| " Meteora 2.00@ 6.00                   |
| " Perles. Niphetos 1.00@ 3 00          |
| " Kalserins 2.00@ 6.00                 |
| Carnations, ordinary                   |
| " fancles 1,t0@ 2,00                   |
| Lily of the valley 4 00                |
| Sweet peas per dozen bunches, .30m .50 |
| Smilax 10 (0@15.00                     |
| Auratum lilles 8.00410.00              |
| Asters                                 |
| Adlantum 1.00@ 1.25                    |
| Asparagus50.00@75.10                   |
|                                        |

#### LOUISVILLE Inly 28

| HOC IN TELESTORY WAS                |      |
|-------------------------------------|------|
| Roses, Beauties, per dozen ,75@1.50 |      |
| " Brides, Bridesmaids 2.00@         | 3.00 |
| " Meteors 2.(004                    | 3.00 |
| " Kalserins 2.00@                   | 4 00 |
| " Perles 1.50@                      | 2.00 |
| Carnations, fancy 1.25@             | 1.50 |
| " common                            |      |
| Sweet peaa                          | .15  |
| Mignonettes                         | . 25 |
| Smilax, per dozen                   |      |
| Adlantum.                           | .75  |
| Asparagus, per string               |      |



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

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2 AND 4 DOMINICK STREET, New York.

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Bouquet Green, Galax Leaves, Laurel Roping, &c., &c. Everything in green line always in stock at

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E. C. AMLING

## Wholesale Cut Flowers

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W. S. HEFFRON, Mgr.

....CHICAGO.

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88 Wabash Ave., CHICAGO.

Wholesale Dealers and Gut Flowers

CREENHOUSES: HINSDALE, ILL.

## Wholesale Flower Markets

| CHtCAGO: July 29.                                                                              |
|------------------------------------------------------------------------------------------------|
| Roses, Beautiesper doz                                                                         |
| Bridesmaids                                                                                    |
| Testouts 1.00@ 3 00 Carnations, common 25@ 1 00 Asters 1.00@ 2 00                              |
| Herrisii 3,00@ 4 00                                                                            |
| Lily of the valley 3.00@ 5.00<br>Sweet peas 04@ .08<br>Gladioli 2.00@ 4.00                     |
| Adiantum                                                                                       |
| Smilax         S.00@10.00           Asparagus         40.00@75.00           Pansles         25 |
|                                                                                                |



WHOLESALE GROWER OF ROSES.

DEALER IN CUT FLOWERS.

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CHICAGO.

#### S. B. WINTER, (Successor to WINTER & GLOVER.)

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easilties illustrated or idates of Now the situistation of patters of same Spoon I Stationery Covers, Californies Book in Cong. Lobders. Blotters, Calen-dar, or other Line Printing. BRAIL NOW the resure time of year is the best time to attend to such. Aers, Casa.

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Silon

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Price list on application.

## Wholesale Flower Markets

|   | New York, July 27.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|   | Roses, Beautles 2.00@16 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | Bridesmaids, Testouts, Brides50@ 3 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | Morgans Meteors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|   | Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ļ | Lily of the valley 1.00@ 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| į | Sweet peas. per 100 bunches1.00@1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | Longifiorum, Auratum 1 00@ 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|   | Smilax 8 00@10 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|   | Asparagus 40.00@50.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | Cattleyas 25.00@40 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | Asters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|   | BOSTON, July 27.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|   | Roses, Beauties 5,00@15.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | " Morgans, Meteors 2 00@ 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|   | " Brides, Bridesmaids 1.00@ 4.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|   | Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|   | Lily of the valley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|   | Sweet peas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|   | Smllax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|   | Aspsragus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | Adlantum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|   | Asters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|   | PHILADELPHIA, July 27.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|   | Roses, Beauties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|   | Brides. Bridesmaids 2.003 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|   | " Kalserins, Metcors 3 00@ 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|   | Carnations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|   | Llly of the valley 2 00@ 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|   | Japanese lilles 1.00@ 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|   | Sweet peas. 15@                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|   | Cattleyas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | Smllax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|   | Asparagus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | Adlantum 5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|   | and the transfer of the transf |

## LUDLOW ST. PHILADELPHIA, PA. FINE VALLEY ALWAYS ON HAND.

## **Asparagus**

Strings 8 to 10 feet long, 50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

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J. K. ALLEN'S 57 WEST 28th STREET,

### GALVIN&CO.

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AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS. Cnt Flower Consignments Solicited. Best market.

## Cood Money for your Flowers. Cood Flowers for your Money.

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BRIDESMAIDS

JOBBERS IN

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Cut Flower Exchange.

## One Good Flower

is worth fifty poor ones but is harder to find in summer. A A A A

Give us timely notice and

we will do the best we can

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NEW YORK CITY.

## Thos. Young, Jr.

\* \* Wholesale Florist

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## FLORIST.

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Roses shipped to all points. Price list on application.

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Careful Shipping to all parts of the country
Price list on application.

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## FRANK MILLANG,

WHOLESALE COMMISSION.

408 E. 34th Street,

NEW YORK.

#### THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. A I. BROOKE, Pres. E. ALBERTSON Vice-Pres: GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

P. S. Peterson, of Chicago, is greatly improved in health as a result of a course of treatment at a sanitarium.

San Jose scale is as yet unknown in Nova Scotia and strong efforts are being made to prevent its importation.

REPORT says that of currants Pres. Wilder, and of pears. Kieffer, are the only varieties to vield well in western New York this year.

Springfield, Mass.-A. G. Jacobs has a Crimson Rambler rose upon which there have been at one time 5000 buds or bluesoms

CALIFORNIA is the greatest horticultural state in the Union, New York is second and Illinois third. Illinois has \$4,777.083 invested in nurseries.

PLAINFIELD, N. J.—R. G. Chase & Co.' nurservmen, sued W. B. Hayesfor \$15.75' bringing the action before Justice Stormswho is an agent for them. The plaintiff appealed and secured a reversal of Justice Storm's decision under the statute which forbids a justice acting in a case in which he has a personal interest.

THE price of nursery stock in Canada has not advanced because of the recent enactment excluding stock from the United States. Nurserymen in the States who had booked orders in the Dominion, which they were not permitted to fill because of the act, bought stock at wholesale from Canadian dealers and packed their orders inside the boundary. The considerable surplus of Canadian grown shrubs and trees enabled them to do this without loss.

#### Springfield, Mass.

The annual sweet pear show of the Hampden County Horticultural Society, held July 20 and 21, brought out such an unusual wealth of exhibits that a larger hall than that usually employed was chosen for the occasion; in fact it was one of the largest sweet pea shows ever held in America. The season has been tayorable for the growth of sweet peas and the flowers shown this year were of unusual merit. The interest of amateur growers centered upon the Eckford silver cup, which was won by W. J. Eldred, but the holder of the cup from last year, C. M. Hartzell, of Holyoke, was a very close competitor. Of the Lokford set for the current year buchess of Sutherland is a very pretty light pink, yet no improvement on former sorts of its color; Chan cellor is the most pleasing; Colonist is not good, Duke of Sutherland is a fine dark marcon yet of no special ment, Prince of Wales is an improvement on fler Magesty Lady May Currie is the repress to orange yet produced. Of other resevantetics Bertie Hamilton and Min nch dia are much alike. Burpec's Ear. e tot VII is the same as Extra Earl Blanche Ferry except that it is as it came implies. Walker's Dawn and Gaes Franciare machables, and Polly Varde From are mach after, and Polly Varide to donouse. I after Hutchins is good are of the best of the year, but is some start like Stella Mease. Modesty is yet pleasing, Orientae is distinct and good on attract the best American introduction of the year. Pink Cupid has better bears than Matte Capid.

I. A. E. Se of conducting dispersion.

very fine flowers in class 1. D. W. Brainerd, of Thompsonville, Conn., was entered in nearly every class and was the winner of several prizes. His flowers were well grown. W. J. Eldred, of West Spring-field, made the largest class entries. His flowers were excellent in size and stem. H. II. Fisk, of Chicopee, and Mrs. H. M. Olier, A. II. Smith, Edith Smith, of West Springfield; R. A. Houston and S. H. Howes, of Holyoke, all amateur growers, made fine exhibits.

Rev. W. T. Hutchins, of Indian Orchard,

filled one large table for exhibition only, as did the B. L. Bragg Company. The Sunset Seed and Plant Company offered seedling A, which was very distinct and beautiful. Sam. Hamilton, of Roaring Springs, Pa., exhibited several seedlings of merit.

The awards were as follows: F. A. Blake first in seven classes, second in two; S. W. Brainerd, first in five, second in four; W. J. Eldred, first in eight, second in nine, third in one; Mrs. H. M. Olin, first in two, second in two; H. H. Fisk, first in seven, second in two; A. H. Smith, first in one, second in one; R. H. Houston, first in one; S. H. Howes, second in two; H. Wilson Smith, second in one.

Rev. W. T. Hutchins and the Bragg Company were awarded diplomas for their excellent displays. Honorablemen-tion was awarded to Mrs. Chadwich for Burpee's American seedlings The Sunset Seed and Plant Company received a certificate of merit for seedling A. Sam. Hamilton was given honorable mention for miscellaneous seedlings. Miscellaneous awards were to W. T. Hodge and D. W. Brainard for hollyhocks, Mrs. Eldred and Mrs. Olin for nasturtiums, H. A. Dreer, Philadelphia, and D. W. Brainerd for petunias, H. Wilson Smith for table centrepiece, and F. A. Blake for carnation Bon Ton.

The Chapell, Miller Company, formerly the C. R. Miller Company is now located in a new store, which looks very neat and attractive. Mark Aitken has also moved and is now in the center of the dry goods business section. He is completing three houses for the growing of carnations and

violets.

C. F. Fairfield's property is advertised to be sold by the sheriff. It seems entirely uncalled for, and very likely cutting prices is responsible for it.

It is rumored that II. Grout will add several thousand feet of glass to his plant this fall especially for his new earnation Conch Shell.

B. M.

#### Quincy, Ill.

Everyone is busy remodeling houses and preparing for winter, but further than that they have little to do save keep weeds down and pray for rain. There is little business and less first-class stock.

C. L. W. Gentemann, has planted 1000 roses upon the benches and they are as handsome a lot of plants as one would care to see. He is the only local florist so far who has announced his intention of attending the S. A. F. convention at Omaha.

BIATRIA, MASS. There have been collected and destroyed in Beverly this sear son, under the direction of the Beverly Improvement Society 12,347 belts of tent caternallar eggs.

New Brands, Coxx - Edward L. Eggert will make his establishment one of the largest in this vicinity by erecting two nev greenhouses each 20x100. The new structores will be fully up to date.

## The Royal Tottenham Nurseries Ltd. A. M. C. Jongkindt Coninck

DEDEMSVAART, nr. Zwolle, NETHERLANDS.

Managing Director: A. M. C. VAN DER ELST.

WHOLESALE GROWERS OF

Hardy Perennials, Aquatics (especially new and scarce varieties), Azaleas, Rhododendrons, Hydrangeas and Conifers, beg to announce that their catalogue containing a good many rare and new plants is in the course of preparation and copy may be had on application. A. A. A.

#### 

....AUTUMN 1898....

#### One Million

Flowering Shrubs; full assortment; all sizes, & &

### Half Million...

Deciduous Trees for street, lawn and avenue planting.

200,000 Vines, Iris, Clematis, Actinedia and other sorts. Correspondence solicited.

THE WM. H. MOON CO. MORRISVILLE, PA.

#### FOR FALL '98 AND SPRING '99 DELIVERY

A SPLENDID ASSORTMENT OF

#### FIELD-GROWN HARDY ROSES

Clematis, Ornamental Shrubs and Trees, Pæonies, Herbaceous Plants, Small Fruits, Fruit Trees. Special quotations gladly subjunted by letter.

Jackson & Perkins Co. New York.

Assorted in 25 Varieties.

My selection \$50 per 1000. Descriptive catalogue and price lists for the trade.

#### SAMUEL C. MOON, Bucks Co., PA.

MORRISVILLE, -

#### OUR SPECIALTIES ARE Azaleas, Roses, Rhododendrons

New and care hardy plants for torcing Moveliles in Ferns traised by the largest London grower. The newest and best varieties of roses, H. P. and Teas scented, from a French raiser. Write us and ask for quotations. We import direct to Boston to meet the demand from Canada and New England States.

F. Brunton & Co. IMPORTERS & EXPORTERS OF NEW AND RARE PLANTS. 136 Boylston St., BOSTON, MASS.

#### HARDY **Herbaceous Perennials**

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

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The Reading Nursery, READING, MASS.

ESTABLISHED 1854 ...........

### Surplus Stock

Can be disposed of by advertising. Try it.....

This Size "Ad." Costs Unly \$1.00.

American Florist Co., Chicago. 

HOW TO GROW MUSHROOMS My 21 up, book-tree to basers or intending layers of spawn; to others, the spits New supplement on out-door colture by JNO. G. GARDSER memded. First importation of the new spawn due of this port Aug 2). Prices on application. G. C. Watson, Juniper & Walnut Sis., Philo, Pa.

#### Cincinnati.

FLORISTS' CLUB HOLDS ITS ANNUAL PICNIC. -BIG CROWD AND A WARM TIME. BASE BALL AND BOWLING .- CONVENTION MAT-TER NEEDS STIRRING UP -NOTES.

On July 21 our florists and their friends picnieked at Coney Island. It was an ideal pienie day and everybody had a good time. The florists were out in full force, they never having had such a large erowd. Harry Baer was made captain of the base ball team. Wm. Murphy, the base ball team. Wm. Murphy, as umpire, kept things straight. A. Heckman was the only man who dazzled pitcher Charles Critchell. The prizes offered were \$7 to the winning team and \$3 to the loosers. The following were on the winning team: Chas. Critchell, Harry Baer, Moorman, G. Sunderbruch, Linfoot, Wilson, Leonard, Heckman and Chas. Gardner. The bowling contest was a hot one from start to finish. Three a hot one from start to finish. Three prizes were offered for highest scores. The first prize was 100 ten cent cigars, the second prize 100 five cent cigars, and third 100 stoggies. The following team captured the first prize. A. Heckman, G. Sunderbruch, F. Heckman, W. Heckman and R. Witterstaetter, total 743 points.

I have heard very little said about the Omaha convention and regret that I can not say for sure that a good delegation will go from here.

Robert A. Kelly will remove his Fourth street store to 416 Walnut street on August 1.

Mr. Wm. Mann, of the Cincinnati Cut Flower Co., has returned from a two weeks vacation.

H. Schwarz.

#### Omaha.

UNION MEETING OF THE NEBRASKA AND IOWA HORTICULTUAL SOCIETIES. -EXCEL-LEXT PRACTICAL PAPERS.—THE WEEKLY BOWLING SCORE.

The Nebraska State Horticultural Society and the Southwestern Iowa Horticultural Society held a union meeting at the Commercial Club room, Board of Trade Building, July 26, 27 and 28. President G. A. Marshall, Arlington, Neb., opened the session; all formalities were waived and the society went in for business. C. S. Christy, of Johnson county, Neb., read a paper on packing and marketing apples, followed by J. P. Jackson, of Glenwood, Ia., who read a valuable essay on the "Different Varieties of Apples." Peter Youngers, Jr., of Geneva, Neb., contributed an address on keeping apples of different varieties. Mr. Youngers, being superintendent of the Nebraska horticultural exhibit at the Trans-Mississippi Exposition, has had excellent opportunity for observation in this line, having had in his charge 160 barrels of apples of seventy or more kinds packed in various methods and kept in cold storage. He has found a temperature of 365 to be most favorable, with wrappings, first of oil paper or common butter paper, with an outer covering of newspaper. This appears to prove that many varieties that are valueless in fall or early winter can be kept over till May and June, and put on the market at a good profit. J. A. Hogg, of Shelton, Neb., read a paper on the codling moth, E. F. Stephens, of Crete, Neb., one on planting gathering and marketing strawberries, and las. Russell, of Wymore, Neb., who will market this year 60,000 baskets of peaches, read an essay on this luscious fruit. Silas Wilson, of Atlantie, Ia.; A. Van Kirk, of Glenwood, Ia; C. C. Marshall, Arling-ton, Neb.; J. P. Hess, Council Blufts, Ia., C. H. Whitford, Arlington, Neb.; and H.

C. Raymond, Council Bluffs, Ia., all gave the societies valuable ideas through

their various papers.

The Florists' Club bowlers still "roll" regularly. Here is the score made Monday, July 25:

| 1st.            | 2d. | 3d.   | Av.  |
|-----------------|-----|-------|------|
| Donaghue, Sr151 | 159 | 115   | 142  |
| Davey159        | 142 | 121   | 141  |
| Hadkinson147    | 161 | 113   | 140  |
| Shaw144         | 133 | 140   | 139  |
| Wilcox121       | 135 | 156   | 137  |
| Swoboda125      | 153 | 129   | 136  |
| Chapin155       | 120 | 121   | 132  |
| Henderson120    | 131 | 130   | -127 |
| Floth128        | 110 | 113   | 117  |
| Donaghue, Jr117 | 120 | 103   | 115  |
| Zimmer 92       | 103 | 117   | -104 |
|                 |     | J. H. | Η.   |
|                 |     |       |      |

CLYDE, O.—E. Hall & Son, who conduct large greenhouses here, have dissolved partnership. W. E. Hall will continue the business.

## Just Arrived! We have just received a fine lot of fresh

PANDANUS UTILIS...... \$6.00 per 1000.  $\begin{array}{c} {\rm Last\ ehance\ for\ our\ JARDINIERE} \\ {\rm FERNS\ in\ 2^{1}4^{-}inch\ pots.} \end{array}$ 

SIEBRECHT & SON, NEW ROCHELLE,

PTERIS TREMULA, strong, ready to shift, to 4s. \$3.50 per 100 \$30.00 per 1000

N. EXALTATA (Sword Ferm ... \$4.00 per 100

N. EXALTATA Bostoniensis ... \$5.00 per 100

N. CORDATA ... \$6.00 per 100 ..\$5.00 per 100 ..\$6.00 per 100 \$10.00 per 100 N. DAVALLIOIDES Furcans... R. WITTERSTAETTER, Sedamsville, O.

# Asparagus Sprengerii SEEDLINGS ALL SOLD. Fine Plants, \$8.00 per 100. Sample by mail 10 cents. American Rose Co., Washington, D. C.

Lurida fol. var. just ASPIDISTRA Lurida fol. var. just now in good condition without leaves, good roots with spronts, §6 per 100; sample, 90e per doz, postpaid. Canna "Fiorida" for (rial 10 cents.

Asparagus Sprengerii Seed. 1 100, \$1.60 Fresh from the vines. 1000, 8.00

Pampas Grove Nurseries, Greenland P. O. Florida.

DORT CRAIG & SON ROBT. CRAIG & SON Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA. 

IN BEST ....VARIETIES.

CARNATIONS, for fall delivery. CHRYSANTHEMUMS.

SMILAX.
Prices low Send for list. VIOLETS. WOOD BROTHERS, FISHKILL, N.Y.

SMILAN from 2-inch pots \$1.50 per 100; \$13,00 per 1000. HYDRANGERA Otaksa, from 3-inch pots \$5.40 per 100. GERANIUMS from 2-in. pots \$2.25 per 100. \$20 per 100. 3-in. pots, \$4.40 per 100. \$35 per 1000. "4-in. pots, \$6.40 per 100; \$30 per 100. Cash with the order Send for samples.

FRED. BOERNER, Cape May City, N. J. When writing mention the American Florist

## 222222222222222222222222 TULIP

#### For Florists' Forcing.

White, shaded with beautiful rose pink. Best selling Tulip in the market last season. Bulbs ready in September. 3 Write for prices.

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## Vaughan's Seed Store

HEADQUERTERS FOR "FANCY" BULB STOCK.

CHICAGO . 84-86 Randolph St.

NEW YORK: 14 Barclay Street,



Arrived in Fine Condition

Oncidium Varicosum Rogersii \$15 per dozen.

Oncidium Kramerii 2 to 3 leaves.

LAGER & HURRELL, Summit, N. J.

## **CHINESE PRIMROSES**

| 15,000 single mixed colors, 2-in, pot. |       | per 100 - |
|----------------------------------------|-------|-----------|
| Cineraria ready Sept. 1st              | -5.00 | 1.5       |
| 150 Asparagus Sprengerii, 3-inch pot.  | 5,00  | 4.4       |
| Ferns for Jardinieres                  | 3,00  | 61        |

Pansy Seed 14-12......\$2.00

Jos. H. Cunningham, Delaware, O. 

### 2000 Smilax

First-class 3-inch stock, \$2.50 per 100; \$20 per 1000.

THE E. HIPPARD CO.,

.....YOUNGSTOWN, OHIO. ==========<u></u>

25,000 Smilax harmon plants out of 2 for immediate planting at the lowest price ever yet quoted. \$1.00 per 100; \$8.00 per 1000. Cash with order.

Bear in mind this is strictly first-class stock and there is a large saving in freight, buying out of 2-inch pots. First come first served.

South Side Floral Co., Springfield.

It is good business policy to mention the

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#### AMERICAN SEED TRADE ASSOCIATION

EVERETT B. CLARK, Pres.; Jos. A. BOLGIANO, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec. 9 and Treas.

UNDER a recent ruling of the postal authorities order sheets may be sent out with catalogues only when bound as a part of the book, but the leaves may be perforated so as to be easily detachable.

B. SUZUKI, of Suzuki & Iida, passed through Chicago last Saturday on his way to Yokohama. Mr. Suzuki says that the largest size of Japanese Lilium longiflorum bulbs will probably be very scarce the coming season.

WATERLOO, NEB., JULY 26.—Crop prospects on the whole are good. Corn is doing well, but could stand more rain. Vines are promising and are hardly in need of rain as they will stand more dry weather than corn.

Siteboygan, Wis.—The Landreth Seed Company runs its establishment day and night and is putting in a new electric light plant installed with a capacity of 150 lights. The company now has nearly 1000 pea pickers in the fields in this vicinity.

MR. GEO. A. BISHOP, of Bermuda, intimates that some of the statements imputed to him in a communication on the Harrisii lily disease, which appeared on page 1464 of our issue of July 9, are not maccord with the facts. He states that there is no occasion to send anywhere for good propagating stock, a plentiful supply being obtainable on the island, and that instead of being overdosed, the land is very much under-fertilized with good chemical manures of the right sort.

#### Importance of Selection in Seed Growing.

The articles by Prof. W. W. Tracy that have appeared from time to time in the AMERICAN FLORIST on the subject of seed breeding, are of especial interest and very opportune. The question of selection, conscious selection, is bound to become a greater factor in growing plants for seed, or for any other purpose, than it has been, and it is undoubtedly true that he who has the best and clearest mental conception of an ideal type of plant will meet with the greatest success. This may be illustrated by the character of the lettice now forced for the Boston market. more extensive growers are not willing to run the risk of the failure of a single crop by planting seed which they happen to find on the market, so grow their own seed. Various strains of lettuce have been developed which for forcing purposes are vastly superior to the types from which they have sprung. It may be said, and truthfully, that much of the selection which has evolved our present strains and varieties of plants was of an um onscious nature. Variations were only noted and perpetuated with no distinct ideal in mind of what they should be or might ultimate's become. But the right sort of conscious selection will do more for the smelt mation of a type in a feyears than can be brought about be uncenscious selection through

While plant generally resemble that parents in are than the are inhibe other plants, we have the remidle of the plants we have the remains the static from the parents. In the improvement of any type the conditional differences among the concession of the conditional differences among the conditional the breaks.

many interesting variations will occur which he may be tempted to perpetuate, even though not pointing directly toward his ideal. It is even possible to develop different strains from the same plant by making use of these side branches, which may, by their own characteristic variations, suggest a new ideal for a different purpose. New uses of plants perhaps require that they possess new attributes, new characteristics, so that one's ideal must sometimes be changed because of the changing conditions of the market and the new demands.

But I belive that in the long run the man who becomes the most successful in the breeding of plants is the man who early in his career establishes his own ideal of what a certain variety should be, and then adheres most rigidly to the type of that ideal. The better and clearer his conception the greater will be the

progress toward the goal. 1 always feel like giving encouragement to any seedsman who has a proper ideal in his mind and who is making honest efforts to give us better vegetables or flowers. It seems to me, however, that if each would make a careful description of his own ideal and when the plant had been improved to such an extent as to conform or nearly conform to his ideal. see that the distinctive characteristics of his efforts are properly set forth in his catalogue, we shall then have a better knowledge of what is being done in seed breeding. We may confidently expect to see the business of seed growing, as well as that of the seed dealer becoming specialized to a greater and greater extent, and when eople learn that Mr. Smith or Mr. Jones has a strain of pansies or cabbages that is superior, even though for special purposes, they will not be satisfied with anybody's seed. Intelligent growers will first seek to know the ideals established by the different seed breeders and their success in making their plants conform to those ideals, then place their orders accordingly. W. E. BRITTON.

#### Tiffin, O.

To the credit of the florists be it said that they know a good thing when they see it. In the instance at hand they knew it when they heard of it through the medium of the AMERICAN FLORIST. I refer to the 10,000 Asparagus plumosa seedlings, which Mr. Lewis Urich recently advertised for sale, and which were gobiled up in no time. He states that orders came from various parts of the country, fairly pouring in on him, the result being that his stock was sold out much sooner than he expected. Moral:—Advertising pays.

Coal ashes as a fertilizer may or may not have many adherents. In Mr Ulrich's case it has been demonstrated beyond a doubt that common coal ashes make one of the best of fertilizers. Astrip of ground which for its negative qualities could be compared with the desert of Sahara, has been rendered fertile, and is producing a crop of corn the sight of producing a crop of corn the sight of which would make a Nebraska farmer green with envy. Here is another in-stance. A pear tree which for the past few years rarely bore any fruit, will yield bushels this season. "Coal ashes did it," says brother Ulrich. But whatever ashes may do for corn and pear trees, his roses were exempt from this experiment. Figmatively speaking, there are no ashes on The young stock looks clean, healths, and vigorous, and from all indicatron there will be plenty during the corong se ison.



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324 Dearborn Street,

CHICAGO, ILL., U. S. A.

#### Helpful Reminders.

It primroses, cinerarias and calceolanas are not worth raising, it is because the gardener is not equal to the task. While they do not sell for a high price, choice plants will always sell for something, and many other plants will not. You can put to use some plants that are not strictly first-class, but they must be good or nothing. Start them all now in a cold frame, which is the best because it will keep them close to the light, protected from draughts of air, and insure moisture. Leaf mold put through a sieve, with some loam and sand, is best for seed pans. It is well to use shallow boxes; put in a layer of broken pots and cover with a half inch of sphagnum moss, then lay on half an inch of the prepared soil. Have the soil well dampened and quite smooth on the surface. Be extremely careful to have this all ready before opening your seed paper; sow the seed on the surface, in rows as nearly as you can. Cover the box with glass, allowing very little opening for evaporation. As soon as the seed germinates the glass may be removed and water given to prevent drying; a fine spray should be used to avoid disturbing the delicate plants; the frame should be kept shaded. They will make root quite rapidly and as soon as four leaves are discernible they should be potted in light and porous soil, well fertilized. The cold frame or small greenhouse where the benches are close to the light are best for pot plants. While they must not be allowed to dry out they will not grow healthily if made soaking wet. Keep shifting them to larger pots as fast as roots begin to run around looking for room. Growth will be slow until January, but at no time should they be cheeked or crowded; each leaf should have room. In early spring, just before the blooming season, it is well to cut off a few of the Well grown plants should be in leaves. 6 to Sinch pots for flowering.

Freesia bulbs should be sorted out and started now. Your ivy geraniums should now be in 4-inch pots and seedling maurandias in 3-inch pots.

Don't forget while repairing and making alterations in your greenhouses that sub-watering is the most desirable and beneficial. Look up the best methods and keep in line with the progress of the times.

#### St. Joseph, Mo.

Ninety-six degrees in the shade, with scarcely a breath of air is what we are having at present writing.

Roses are scarce and of poor quality, with but little demand for them except for funeral work. Outdoor flowers are more plentiful but sell slowly. Most of the florists are well along with rose planting—Some are through with it and are now cutting blooms from their first planting. There are no new greenhouses being built except a conservatory at King Park, which will be a much needed and a ery acceptable addition.

Mr. Magens after six years' service, has severed his connection with L. J. Stoppy.

Wm 4. rumin & some have moved their on flower storefrom South Lighth street to 704 Leb - street

I.S. Eidd and wife with their little, on have returned from a month's visit at Manitou and other Colorado por t Mr. Lidd's costlared ing snowballs in co weeks ignored not having to star in with the need my at 50 m the shade is too much of a charge.

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6-in., 5 to 7 leaves.....\$15 to \$24 per dozen. 5-in., 5 to 6 leaves...... 12

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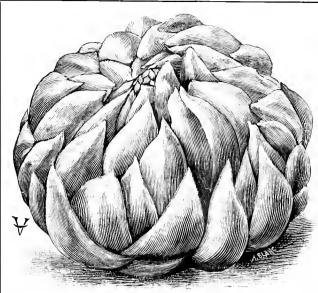
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HE American Florist Company's Directory of the trade lists both alphabetically and by states and towns every one of the 13,500 persons or firms in North America engaged in the Florist, Seed or Nursery business. It states in which particular branch of the business each one is engaged, a feature of great value to those who issue catalogues, as by its guidance mailing to those not interested in your goods may be avoided and many times the cost of the book will be saved in postage and printing, to say nothing of 

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#### California Carnations.

ED. AM. FLORIST-"E. L." in the AMER-ICAN FLORIST of July 9, referring to carnations sent to Mr Herr from California, has evidently been misled in his remarks by his experience with carnations introduced from California several years ago, known here as Redondo stock, which, originating in southern California, are grown there extensively in the fields and gardens for cut flowers. The carnations Mr. Herr has under trial are in no way connected by crossing with Redondo varieties; they are in fact raised from seed obtained by crossing a European variety with Wm. Scott, Daybreak, Mme. Albertini, Anna Webb, Silver Spray and Mrs. E. Reynolds. The varieties sent to Mr. Herr are the best selected from 1500 seedlings. Selection was made for commercial purposes only, after three years' trial; they have been raised and grown in San Francisco, in greenhouses with artificial heat, under the same methods of culture followed in the eastern states for the production of cut blooms during the winter months.

While California has many advantages over, as "E. L." states, less favored eastern regions in growing a great variety of plants out of doors, owing to the mildness of the winter months, it is certainly tor that very mildness of climate that the growing of high grade cut flowers in California requires more attention than in the eastern states, where the temperature is under the control of the grower under glass, with the benefit derived from the circulation of air caused by sufficient artificial heat. The very small amount of artificial heat which the grower in California, on account of the high outdoor temperature, can use without running his houses too warm for the production of high grade blooms, is against California in regard to growing carnations under glass, which even in this state, is theonly method by which we can produce flowers of good quality during the season when they are most in demand.

We confidently advance the opinion that Mr. Herr's California carnations will prove even a greater success in the east than in San Francisco, where for the past two years they have sold at fancy prices, unless the new introductions of this season and other novelties being raised show a great advance upon stand-C. Kruger. ard varieties.

KINGSTON, ONT.-The Canadian Florists' Association will hold its first annual convention at Toronto, Ont., in the sec-ond week of September, and a pro-gramme has been prepared for the occasion. O R. Johnson, a member of the executive committee, attended a recent session at Hamilton. He reports that at none of the western Canadian cities are carnations grown as well as they are in Eingeston.

Lagra Ita - Geo Souster takes a certain degree of pleasure in reading in the trade press of the operations of the palm windlers. The game was worked on Mr. Souster early in the spring, probably the first time it was tried, but he did not say a word about it until he found, that he was only one of many who were early courselet

Direction Miss. The flower show which has convex measurable for the part three years will be repeated in September and Mrs. V.E. i. Further the direct of expects the correct heat to eclipse predecessors

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 4.00. 3.50. 3.00 Brides..... Bridesmaids..... leteors.... lothilde Soupert..... 3.00 Asparagus Sprengerl, 2-in. pots. strong...per 100, \$5.00
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#### Notes and Comments.

In one of the Philadelphia daily papers, the following advice on watering is given on the authority of a florist:

"Always water the plants in the even ing in summer and in the morning in winter." Water a plant whenever it needs it would be better counsel here, but we must confess, all other things being equal, it is better to act upon the advice of that particular florist, for there is less evaporation taking place during the night than there is in daytime, consequently there is more likelihood of the water soaking down to the roots than when the plants are watered in the morning, as evaporation is so rapid in this elimate that unless a well directed effort is made to water a very dry plant more than once in the morning it will very soon be just as dry as ever, apparently. It may be that this particular florist had in mind watering outdoors, and in that case it might be all right, but we would never under any circumstances think of allowing a dry greenhouse plant to remain so until night if found in that condition in the morning. These vague instructions are likely to do more harm than good. Writers on horticultural matters cannot be too explicit when endeavoring to convey an idea. "Boil it down," "Be brief," and "Cut it short," are all right in instructing the cynic who may be filling space in a jour-nal devoted to horticulture and who is not a horticulturist, but I am happy to notice that your columns are free from that kind of reading matter. E. L.

#### FERTILIZATION OF CUCUMBERS.

I was very much amused by a recent article in a contemporary, in which the writer questions the fact that cucumber flowers do not have to be fertilized, or rather pollinated, before they will swell. The erudite personage in question must have been partaking of mixed drinks at the soda fountain on a hot day and got his knowledge of cucumbers mixed with that of melons, though even in the case of melons I believe it is the proper thing to wait till noon and get the house dry enough to let the pollen fly. Some of his efforts at pollination, however, had not been in vain, as can plainly be seen by the number of fruits with a bulb on the endshown in an illustration accompanying the article to which reference is made. This is a fatal defect in a cucumber of salable size. I would advise the budding trucker, and the admonition is given in all Christian charity, not to get too deeply into the business, and to stay in bed as long as the average gardener. will then have better looking encumbers.

FITCHBURG, Mass. - Joseph Jackson, the veteran florist, died July 14 after a long illness. He was born in Halifax, Yorkshire, England, February 17, 1830, and gained an experience in floriculture before coming to America in 1801. before coming to America in 1864. In 1866 he won a silver medal at an exhibit of the Massachusetts Horticultural Socicty with a splendidly grown Campanula pyramidalis. He located in Fitchburg in 1868, first having charge of the estab-lishments of J. M. Sawtell and Sylvanus Sawyer. He has made exhibits at the Sawyer, He has made cambon Worcester north fair for twenty-eight years, winning many premiums. Mr. Jackson leaves a wife, three sons and four daughters.

Lenox, Mass.—At the meeting of the Lenox Horticultural Society, on July 16, A. H. Wingett read a valuable paper on the cultivation of roses in the garden.

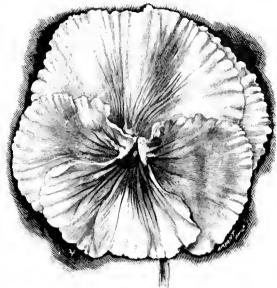
## NEW GROP PANSY

## International Mixture"

Mixed Pansies at the World's Fair. It is today better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price, per oz., \$10; 1-2 oz., \$5: 1-8 oz., \$1.50; trade pkt., 50 cts. (less 10 per cent

## **VAUGHAN'S** ''Giant Pansy Mixture''

This mixture is specially made up by us from all the separate colors of Giant Trimardean, the Giant Bugnot and Cassier and several special strains which cannot be had in any other way. If your trade demands large flowers there is no better mixture. Price, per oz., \$4.00; 1-4 oz., \$1.25; 1-8 oz., 70 cts.; large trade pkt., 50 cts.



#### WE MAKE & & & & SPECIAL MIXTURES

for florists who have preferences in the composition and proportions of colors and types, &

GIANT TRIMARDEAU, Mixed, oz.,  $\$1.00; \ ^1_4$  oz.,  $30c; \ pkt., 10e,$  "CHICAGO PARKS BEDDING" MIXTURE, oz.,  $\$1.00; \ ^1_4$  oz.,  $30c; \ pkt., 10e,$  SEPARATE COLORS.—For price of these see Special Pansy Seed Circular, sent on application.

## VAUGHAN'S SEED STORE

NEW YORK: 14 Barclay St.

84 & 86 Randolph St., CHICAGO.

#### ROSES! ROSES!

Brides, Maids, Kaiserin and Meteor from 2-inch, \$3.00 per 100; \$25.00 per 1000. Brides and Meteor, from 3-inch, \$5.00 per 100; \$45.00 per 1000. 50 at 100, and 500 at 1000 rates. Cash with order.

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#### AMERICAN BEAUTY

Fine young plants, healthy and strong. 3-inch pots, \$10.00 per 100; \$90.00 per 1000.

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, Cash with order. PHILADELPHIA, PA

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### ROSES

| KAISERIN, 21g-m.   |              | \$3.00 [      | ner [60]     |
|--------------------|--------------|---------------|--------------|
| BRIDES, 31g-in     |              | 4.00 [        | ner 100      |
| BRIDESMAIDS, 34    |              |               |              |
| METEORS, 31g-in.   |              | 4.00 j        | ист 100 гон. |
| Very choice; grown | for our own  | use. May      | be re-       |
| turned at our ex-  | nense if not | sectisfactor. | 1            |

BRANT & NOE, - Forest Glen, III.

## Chrysanthemums!

H. WEBER & SONS, Oakland, Md.

## FORCING ROSES

|                      | 24-in.                 | al-6-In.  |
|----------------------|------------------------|-----------|
|                      | Per 100   Per 1000     | Per 100   |
| BRIDE                | \$2 50 \$22,50         |           |
| BRIDESMAID           | 2.50 22.50             | 4 00      |
| METEOR               | 2,50, 22,50,           | 4 00      |
| White, Pink and Yell | ow Ramblers, same.     | Moonvines |
| \$20.00; Alteri      | antheras \$15,00 per 1 | 1000.     |

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## ROSE PLANTS!

M. A. HUNT FLORAL CO. TERRE HAUTE, IND.

#### Successful Growers are Wanted

To know that they can dispose of all their surplus stock by adver-.....tising in the American Florist. TRY IT NOW.

#### Northampton, Mass.

Trade in the florists' line is almost an unknown quantity and the stores wear a deserted look. A few palms and a bunch or two of carnations make up the usual window display. At the greenhouses, however, there is plenty to do and a chance to acquire a tan like that of our soldiers in Cuba. Chrysanthemums are nearly all planted and the early ones are looking well. Carnations in the field are. notwithstanding the dry spell, doing nicely, and, judging from the quantity planted out, the growers are putting considerable faith in the flower as a bread winner. The new French cannas are fast becoming popular as bedding plants and fine beds of them are to be seen in differ-

ent parts of the city.

Work on Horace W. Field's new houses is progressing and he hopes to have them finished in time to plant carnations.
G. W. Thorniley.

#### Winnipeg, Manitoba.

The floral exhibits at the industrial show are just now attracting much attention. Richard Alston, of the Royal Greenhouses, and A. H. Philpott contribute the bulk of the display of the professional grower, and, considering the season, their exhibits are highly creditable. One of the most beautiful of the floral designs is emblematic of hope and is composed principally of sweet peas, white carnations, roses and adiantum. There is a display of several dozen varieties of geraniums and fuchsias. There are also many well-grown gloxinias, begonias, lilies, palms and decorative plants. The amateur floriculturists are not largely represented, but their displays are, nevertheless, very excellent.

## CANNAS – Rambler Roses

From field for Fall delivery.

Almo 30.000 SPIRÆA ANTHONY WATERER. 40,000 LOCAN BERRY TIPS.

The Conard & Jones Co., WEST GROVE.

## CHOICE VIOLET STOCK!

V casts from 2 s-in pots, A-Leondition, Far juliar, Marie Louise and Ludy Campe (co. §3.00 per 100, §25.00 per 1000)

ROSES Brides and Maids in 3-in.

CRABB & HUNTER, Grand Rapids, Mich.



## Pansies Worth Raising. NEW SEED.

Cash with order.

C. SOLTAU & CO., THE GREEN ASSESSED A

FIELD CARNATIONS. to best or

GEO HANCOCK & SON Grand Haven, Mich.

#### MANAHERR'S PANSIESAAA

SEND FOR REASONS WHY THEY ARE THE BEST.

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...PLANTS...

...SMILAX...

Ready now at \$1.50 per 14 oz. ....PLAN I S... Ready now, 75c per 100; \$5 per 1000. September to January; 75c per 100; \$4 per 1000.

Sample plants for 10 cents.

ALBERT M. HERR, Lancaster, Pa.

Standard varieties, \$2.50 per 100. A list of varieties furnished on application.

CYPERUS ALTERNIFOLIUS, 24/2-inch pots.....\$2.50 CYCLAMEN, white, pink, red, and white crimson eye, 2½-inch pots. 5.00
GREVILLEA ROBUSTA. 2.50
GERANIUMS, fine plants, 2½-inch pots, new and standard sorts (cars, on application) 2.50

ASPARAGUS TENUISSIMUS, 4-in pots......10.00 SMILAX, 212-inch pots...... 2.50

### NATHAN SMITH & SON.

ADRIAN, MICH.

#### CELERY SMILAX CABBAGE

SMILAN=2%-in., large and healthy, \$1.00 per 100; \$8.00 per 1000. Just as good plants out of flats each plant carefully wrapped for shipment, % less above prices.

Field-grown Cabbage Plants, 15c per 100; \$1.00 per 1000; \$8 00 for 10,000.

Field-grown Celery same price. Celery, very large, transplanted once, 25c per 100; \$2.00 per 1000. White Plume and Giant Pascal, Cash with order. Samples by mail, 10c.

R. KILBOURN, Clinton, New York.

## WANTED!

50 OLEANDERS about seven feet high. Address, stating price delivered .....

F. C. AUSTIN MFG. CO., Harvey, III.

## PANSY PLANTS ....READY

30 000 nice seedling Prassy Plants now ready from 1898 seed for November and later blooming, 50e per 100 \$2.50 per 50, \$4.00 per 1000. Samples free, Mittings Grant Flowering Pansy Seed, trade pkt., 50e.; 1 nz., \$4.00. This seed will raise 50,000 plants to the like.

THE MORRIS FLORAL CO., Morris, III.

#### VEGETABLE PLANTS.

CABBACE - H. Succession. Flat. Dutch. Autumn King. Drumbend, Savoy and other varieties.
CELERY White. Plume, Golden Self-Blanching. Ghart Pascal, Golden Heart and other varieties.
TOMATO Livingston's Stone, Paragon and other varieties. All above plants field-grown, Eccper 100: \$1.00 per 1030: \$8.50 per 10,000. If by mall add the per 100. Chall with order.

R. VINCENT, Jr., & SON, White Marsh, Md.

White Plume, Golden Self Blanching and Giant Pascal.

Floid grown plants at \$1.00 per 1000, \$5.0 per 10,000. Cash with order - Sumples free

C. M. GROSSMAN, WOLCOTTVILLE, INO.



F. DORNER & SONS CO. La Fayette, Ind.

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## ROEMER'S Superb Prize Pansies

The finest strain of Pansies in the World.

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897 Catalogue free on application.

Fred. Roemer.

Seed Grower, - QUEDLINBURG, GERMANY.

Roemer's Superb Prize Pansies, improved strain, new crop, ready now. This new mixture is saved from the very fibost selected plants from all leading nove ties of art colors, without doubt the finest strain in the market to-day. Mixed, per pkt. of 3000 seeds. \$1.00: ½ oz., \$1.00: ½ oz., \$2.75; 1 oz., \$5.00. White, yellow, black and blue, in separate colors, \$1.00 per pkt. of 3000 seeds.

CASH WITH ORDER.

#### PETER BROWN, - Lancaster, Pa.

Crower of Extra Fine Pansies. Plants ready Sept. 15th.

## PANSY

The finest of all the Glant flowering varieties to bebad. No better grown; carefully selected; very large flowers, of perfect form and choice colors. All my florist customers praise this strain very highly; requires no better evidence of seperiority. Every florishould be sure to sow of it this season. Per trade pkt, of 'Go's seeds. Bl. 00; half pkt, 56c. A pkt. New Forget-Me-Not, "Jewel," with every order.

JOHN F. RUPP, Shiremanstown, Pa.



## H. Wrede. LUNEBURG, GERMANY. PANSY SEED.

PANSY SEED.

144 First Prizes, the highest awards
World's Fair, and Hamburg, 1897.
1000 Seedle, finest mixed, 25c.
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## FAXON'S "WHITE .. PANSIES.

The best mixture in cultivation, flowers very trge, thick and velvety; of superb colors and taxkings. The perfection of form and texture. large, this markings.

In Trade Packets at \$1.00 each. M. B. FAXON,

Lock Box 1528. 1528. BOSTON, MABS. Correspondence solicited.

### PANSY SEED

Large Flowering.

Do you want to grow the finest Paneles, if so, buy the JENNINCS STRAIN.

Always reliable None better. Very linest mixed, \$100 per pkt of 2500 needs; \$6 00 per onne. White, yellow; black, blue, red, pink and lavender in separate colors, \$100 per pkt. The above all grown from very linest stock. Cash with order.

E. B. JENNINGS, L. B. 254, Southport, Conn. Grower of the Pinext Pansles.

## ZIRNGIEBEL'S PANS

THE MARKET AND FANCY STRAINS are known and the derists as the Standard Varieties

FRESH SEED NOW READY in trade packages a

DENYS ZIRNGIEBEL, Needham, Masa.

#### Pittsburg.

THE FLORISTS' AND GARDENERS' DEBATE UPON THE ESTABLISHMENT OF A WHOLE-SALE HOUSE.—THE CLUB WILL PICKIC.— SEMPLE'S GLADIOLI.-HINKLE-HEID NUP-TIALS.—JOTTINGS.

The Pittsburg and Allegheny Florists' and Gardeners' Club held its regular monthly meeting on Monday night, July go, with a very fair attendance. The main subject, viz., "the advisability of opening a wholesale cut flower commission house" was warmly discussed pro and con by Messrs. Breitenstein, Hoffmeyer, Lauch, Semple, Langhans and Reineman, Erad Burki, made a provincial Reineman. Fred. Burki made a proposition to assist in the starting of such a house and finally the whole subject was laid over until the meeting in August. The club concluded to hold either a picnic or have a boat excursion in the latter part of next month, and a committee, consisting of Fred. Burki, chairman, Wm. Lauch, James Semple, Geo. Oesterle and E. C. Ludwig, was appointed with full power to arrange for either form of outing. James Semple exhibited a very fine collection of gladiolus blooms; they were very greatly admired and a vote of thanks was tendered him.

Fred. Hinkle, florist and gardener, was married last week to Miss Ella Heid daughter of J. B. Heid, the berry grower, of Allegheny. His brother florists extend their congratulations.

A. M. Elliott, formerly of Elliott & McGinness of this city, now representing J. M. McCullough's Sons, Cincinnati, O., was a visitor this week.

Alex. Nelson, in charge of the conservahas been receiving congratulations on the arrival of a young Miss in his family. He will visit Atlantic City with L. I. Neff and family in about two weeks. Both gentlemen are ardent piscatorial artists and have the war fever bad enough to say they must serve their country in some form, even if only to catch some Spanish mackerel. REGIA.

Hartford, Conn.—The sweet pea show July 27 was a pronounced success. There were hundreds of vases of blooms on display, and a very pleasing feature was an address upon the flower, delivered in the evening by Rev. W. T. Hutchins, the sweet pea authority of Indian Orchard, Mass.

THE

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A Weekly Illustrated Journal.

ESTABLISHED 1841.

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The "GARDENERS' CHRONICLE" has been for OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has nchieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS" CHRONICLE" is looked up to as the TTANDARD AUTHORITY on the subjects of which it treats.

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This has been conclusively proven by experiments at Lincoin Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

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The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run everyday.

For further information apply to the uearest Railroad Ticket Agent, or to

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#### The MODEL **Extension Carnation** Support



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MR. THERON PARKER,
Brooklyn, N. Y., Dear Sir;—
I have tested your latest
model Carnation Support and
am free to say that Loonsider
it the best wire carnation
support that I have ever seen.
It is quickly and easily appiled, and think will prove
very durable, and you certainly deserve great credit
for the invention.

Very truly yours.

C. W. WARD.

FLATBUSE. BROOKLYN,
N. Y., Feb. 18, 97.
MR. THERON PARKER,
Dear SIT:—Your wire stake
ts certainly a gem. Without hesitating we indorse it
as an up-to-date carnation
support. Yours truly,
DAILLEDGUZE BROS.

W. HIGBORES, N. J., Feb. 18, 97.

MR. THERON PARKER, Brooklyn, N. Y., Dear Str.—
It gives me much pleasure to congratulate you upon your success in ketting np carnation supports. I think that those I have had from you are about as perfect as noy-body will be able to make them. They certailly fill my bill for an ideal carnation support, a thing I have been looking for for a long time, Wishing you every success in the sale of them, I am Yours truly, E. ASMUS.

#### Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.
Write for Prices, Circular and Special
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#### The Model Plant Stake Co.,

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Please Mention The American Florist.

A material has been discovered for glazing which after thorough tests has been proven far super-ior to putty; it is called

MASTICA.

It is not affected by extremes of weather, and is thus especially adapted for greenhouses, etc. Send for descriptive circular of Mastica and Mastica Glazing Machines.

F. O. PIERCE CO.,
Sole Manufacturers
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"We Kill Weeds Scientifically"

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FAIRMOUNT CHEMICAL LABORATORY N. W. Corner Broad Street and Fairmount Avenue, PHILADELPHIA, PA.

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Sprinkler....

INDISPENSABLE

J. A. Scollay, Maker, 74 Myrtle Ave.

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VAUGHAN'S SEED STORE, Gen'i Western Agenis, 84 Randolph St., CHICACO. Mention American Florist.



### THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE IS CENTS POSTPAID. AMERICAN FLORIST CO., 322 Dearborn St. Chicago

#### How to Grow Mushrooms.

Procure fresh horse droppings in as the longest straw and add to the pile one-third its weight of new loam, intermixing thoroughly. The compost should be kept under cover, so as to preserve it from wetting by rains, until a sufficient quantity has been collected to make a bed of the desired size.

In making the bed spread out a layer of the material thus prepared from three to four inches deep and of the required dimensions as to length and width. Tread or tamp this layer until it is quite firm and add others in the same way until the bed is ten or twelve inches in

depth.

The temperature of this compact mass of soil and droppings will in a few days rise to 100 or over, as may be ascertained on plunging a thermometer into it, and then gradually decline. On going down to the 90 mark it will be in a proper condition for spawning, and this is accomplished by making holes three inches deep and twelve to fourteen inches apart in the bed with a hard trowel, inserting therein pieces of brick spawn about two inches square and replacing the compost.

On the completion of this operation it will be found necessary to level the surface again, and the bed should also be made as firm as before spawning. About one week later apply a layer of loam one and a half inches thick to the surface, smoothing and tamping it lightly with the back of a spade.

The temperature and moisture of the mushroom house must now be given daily attention, maintaining the former at from 60° to 70° with a moist air. The bed will not need water until the mushrooms appear five or six weeks after spawning, and when they show on the surface as large as peas, a light watering should be given with water heated to about 100

I find the best temperature of a mush" room house to be 60', with the air moist to a perceptible degree only. The surface of the bed should also be kept moist, applying water when necessary by means of a watering pot with fine sprinkler, or a hand syringe, using water never below 80 . Air should be admitted to the house from the top, and must always be under control at a temperature never below 45. Upon entering or leaving, all currents of air likely to pass over the surface. of the bed should be guarded against.

The dry spawn will become active fourteen days after insertion in the bed, but in cases where the bed has been allowed to get dry after the cessation of termentation-which often happens in the absence of close attention-when two weeks have clapsed since spawning, apply water through a fine sprinkler until it penetrates the bed to a depth of two melies, with the water at 90, at the same time increasing the house tempera-ture 10.—Mushrooms will then appear in four or five weeks.

JOHN G. GARDNER

diviries, that clinicased trade warrants Mrs. A. C. Stubling & Son building a new greenhouse, which will be devoted entirely to the growing of carnations.

NEW 18 1967 N. T. The Newburg Floral Company is rebuilding two of its carno tion house and will hereafter gives soulax in them. A large new house will shortly be cruted



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Make your contracts for next season now. We can deliver to any part of the country and Save You Money......

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Greenhouse Glass

72 Sudbury St., BOSTON, MASS.

## GALVANIZED STEEL WIRE PLANT STAKES \$2 PER 1000

H. F. LITTLEFIELD, WORCESTER, MASS.



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Send for price list of Standard Flower Pots, Hanging Vases, Seed Pans and Cylinders for Cut Flowers

Lawn Vases, 17x17-in., \$1.00; 19x20-in., \$1.50; Bases 12-in, high 50c. Address

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AUGUST ROLKER & SONS, AGTS.,
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FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y. DETROIT, MICH., 490 HOWARD ST. HARRY BALSLEY,



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Before buying write for prices. 361-363 Herndon Street, near Wrightwood Ave.,

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## Standard Pots

Good Railroad Facilities For shipping.
Special Attention Given to Minil Orders, and Special Sizes Made to Order

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If your greenhouses are within **500 miles** of the Capitol, writens, we can save you money.

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#### FLOWER POTS

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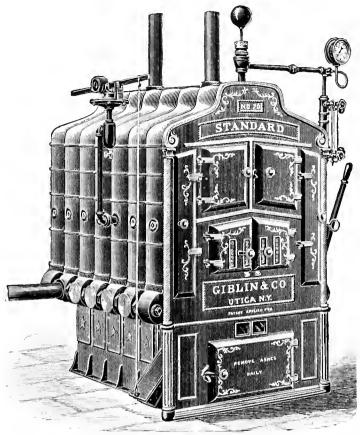
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and prevent the commercial borist keeping up to the times and to his competitors. The expense for heating is a large one, and where a florist secures proper heat, economizes labor, economizes fuel and has no repairs, he is in a mach better position to meet the demand of the times for popular prices from florists. Some boilers have the sole merit of being CHEAP and

bought at a low price. One winter's use shows that while the price is low for the boiler it is high for scrap iron, which is about all such boilers are good for.

Our boilers are......

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for their success and we have had no failures. Every florist who has used our hoders finds all mixiety about heating entirely removed. We have sizes in steam and hot water for any demand and can name a price delivered at any station in the United States and a special price is given where we have no boilers in use.

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Mastica, \$1.00 per gallon.

Liquid Putty, 25-lb. can \$1.50, ready to use. Scollay Putty Bulb for applying Mastica or Liquid Putty, 85c.

Van Ryper's Glazing Points, per 1000 60c, by mail 75c.

Glass Cutters, steel roller, 15c each. Mastica Glazing Machine, \$1.00 each.

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## IS MUCH MORE DURABLE THAN PINE.

SASH BARS UP TO 32 FEET IN LENGTH OR LONGER.

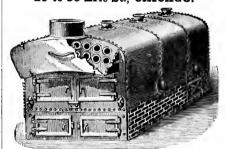
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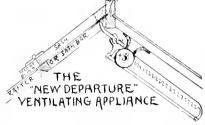
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Boilers made of the best of material shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

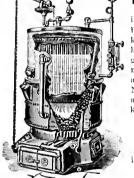


You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to

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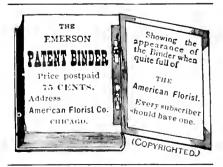




keep a steady heat in a greenhouse all night without attention. No sitting up all night to keep a good fire-

Further information on application.

GORTON & LIDGERWOOD CO. 96 Liberty Street, NEW YORK.



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GLASS for Greenbouses, Conservatories, Hot-Mats, Paints, Oils, etc. Also Hothed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Brondway, NEW YORK.

#### Dayton, Ohio.

Business the past season has been noticeably better than for some years past and is holding up well for this time

in the year.

A splendid conservatory is being erected upon the grounds of the National Soldiers' Home and will fill a long felt want. The grounds of this institution are now in the very best of condition and display the talents of our joyial friend, Head Gardener Charles Beck, who has many new and striking designs in carpet bedding, several of which were inspired by the patriotic war fever.

J. B. Heiss has an immense stock of palms and ferns in tiptop condition and reports his wholesale trade as increasing in all lines of decorative plants. He has a large lot of home grown azaleas in 2-inch pots, some Araucaria excelsa and a house of young Adiantum Farleyense which would be hard to excell.

H. H. Ritter and G. J. Horlaeher each have large stocks so well grown that they are at all times worth a visit, and the National Plant Company is busy propagating roses by the hundred thou-

sand.

Strange to say there seems to be little interest taken in the approaching S. A. F. convention. The boys are all busy planting, and as everything seems to be well, it is probable that Dayton will, nevertheless, be represented at Omaha.

Warren G. Matthews is summering on the lakes. ALCIBIADES.

WASHINGTON, D. C.—Chas. Crall has closed his store and will rusticate until October when he will resume business.

## TWEMLOW'S Old English Glazing Putty



Semi-Liquid. Used in Bulb or Machine.

G. J.OS & ANS AND LARGER PACKAGES. If I is no equal probably for the file is a von-

## Hammond's Paint.

GREENHOUSE WHITE,

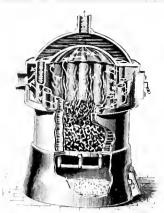
For 20 years many Florists throughout the United States have used this point. The purest and most durable that can ta made

At presente the craft, that will pay to 0.87 (1

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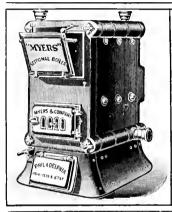
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#### Providence, R. I.

Little of interest has transpired during the past week. It is too early to make predictions for the coming season, still out of door stock, carnations especially, are looking much better than they did a

The Florists' and Gardeners' Club held its monthly meeting on the evening of July 22. It was a very spirited meeting, much interest being manifested in the coming Field Day, to be held at Rocky Point on August 10. Treasurer Macrae made his semi-annual report, showing the club to be in a good financial condition, which fact demonstrates the healthy influence the conventions of the society with an extended cognomen have had upon all kindred organizations.

The commonly-called century plant on the private grounds of Robert Knight on Elmwood avenue has been the subject of much interest for a week past, and hundreds of people have watched the development of the stately flower stalk well fur-nished with buds. This will be the first one to bloom in Providence within the recollection of any of our oldest florists. I saw one in bloom in Newport a few years since. One sees many rare things there. By the way, would Newport not be a good place to hold the national con-

rention at some early date?

Recent visitors: Mr. Fotheringham, representing F. R. Pierson Co., and U. G. Scollay, of Brooklyn, N. Y.

LITTLE RHODY.

#### Sandusky, O.

This hot weather has nearly got the better of us all, but we are still in the land of the living and able to do a little hustling. Business here is quiet, as is usual at this season, but is slightly better than last year. There is no new glass being put up here. All the stock planted out seems to be doing nicely, and the prospects indicate a supply of excellent stock for the fall and winter months. Our city parks are looking better than ever, and much credit is due F. Roth, the gardener, who is quite well up with the times.

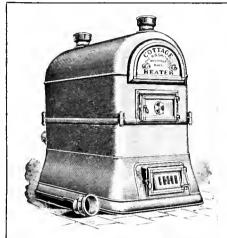


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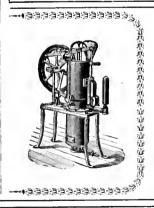
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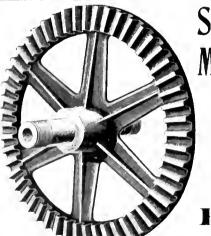
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